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# BIBLIOGRAPHY OF AGRICULTURE

## with SUBJECT INDEX

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The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Magnetic tapes supplied by the library are computer processed, using several vocabulary control mechanisms. The resulting indexes provide access to the literature in considerably less time than would be required by traditional indexing techniques.

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Vol. 41 No. 7 July Entries 062962–073579

# BIBLIOGRAPHY OF AGRICULTURE

## with SUBJECT INDEX

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# INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

## CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation and Lockheed Information Systems.

Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles that would not otherwise be indexed in the *Bibliography of Agriculture* might be included for USDA authored, sponsored, or published materials.

The Bibliography is now divided into ten sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

## MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

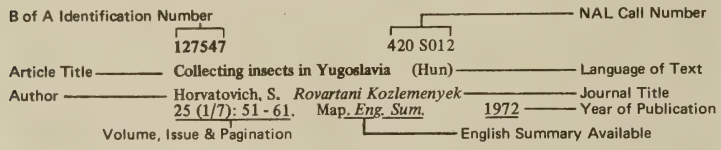
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

| | | | | | |
|---|---|---|---|---|---|
| (Afr) | Afrikaans | (Geo) | Georgian | (Pol) | Polish |
| (Alb) | Albanian | (Ger) | German | (Por) | Portuguese |
| (Arm) | Armenian | (Gre) | Greek | (Rum) | Rumanian |
| (Aze) | Azerbaijani | (Heb) | Hebrew | (Rus) | Russian |
| (Bel) | Belorussian | (Hun) | Hungarian | (Scc) | Serbo-Croatian (Cyrillic) |
| (Bul) | Bulgarian | (Ice) | Icelandic | | |
| (Bur) | Burmese | (Ind) | Indonesian | (Scr) | Serbo-Croatian (Roman) |
| (Chi) | Chinese | (Ita) | Italian | | |
| (Cze) | Czech | (Jpn) | Japanese | (Slo) | Slovak |
| (Dan) | Danish | (Kor) | Korean | (Slv) | Slovenian |
| (Dut) | Dutch | (Lat) | Latin | (Spa) | Spanish |
| (Est) | Estonian | (Lav) | Latvian | (Swe) | Swedish |
| (Fin) | Finnish | (Lit) | Lithuanian | (Tha) | Thai |
| (Fle) | Flemish | (Mac) | Macedonian | (Tur) | Turkish |
| (Fre) | French | (Nor) | Norwegian | (Ukr) | Ukrainian |

In order to identify bibliographic elements within each main entry, note the following:




## MAIN ENTRY SUB-SECTIONS

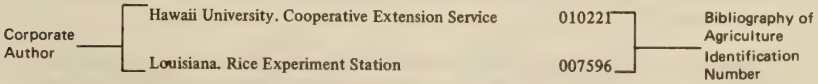
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in The Main Entry Section as well as in the sub-sections.

## GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

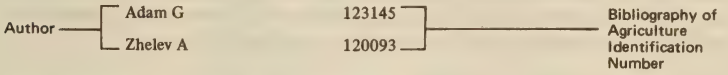
## CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.




## AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.




## SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan his search in terms of the most specific natural language term prior to searching under a scientific term. However, note that the vocabulary is an open ended one and new terms are added each month. Undoubtedly readers will be more keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 25,000 terms. The file is organized so that in most cases synonymous terms are grouped together under a single subject heading. Thus singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based, appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in bold face type. The alphabetic sequence is by the secondary (bold face) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

**CHEESES**

Production and sale of *Gorgonzola* **cheese** [Prices, trade, productive capacity]. 227693

The **cheese** *industry*. 227819

Information for the consumer and advertising abroad of typical *Italian* **cheeses** [Prices]. 227689

Not enough to produce—Sale of *Italian* **cheeses** urgency of modern forms and efficient structures [Prices, trade].

Many general terms were deleted from the control vocabulary in 1975, and work is underway on the establishment of a more complete list of specific terms. Each subsequent issue will reflect this work. The *Thesaurus of Agricultural Terms,* published in 1976, reflects all the changes made in the control vocabulary through December 1975.

The last item of each entry in the Subject Index is the six digit *Bibliography of Agriculture* identification number. Use this number to locate the complete main entry citation in the monthly issues.

## AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

| | |
|---|---|
| Microfilms: | $1.00 for each 30 pages or fraction copied from a single article or book |
| Electrostatic Copies: | $1.00 for each 10 pages or fraction copied from a single article or book. |

Payment must accompany the order. Cash, library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photocopying Service.

# LIST OF JOURNAL TITLE ABBREVIATIONS CITED

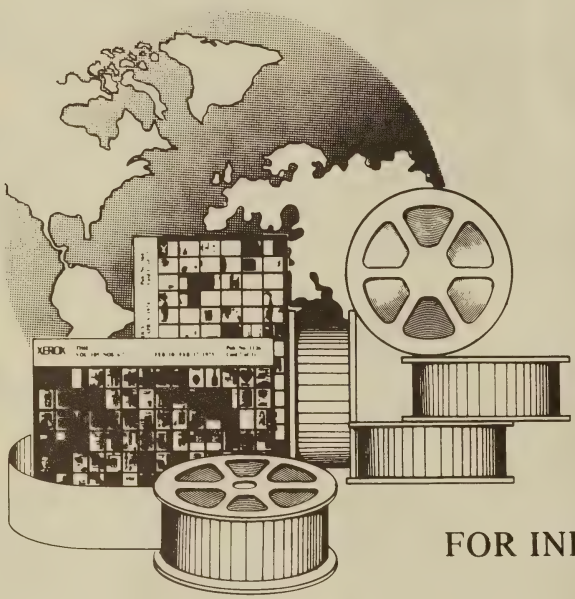
A Coop Ext Programs Univ Wis
A M R C Rev Aust Meat Res Comm
A P P S Newsl Aust Plant Pathol Soc
Acta Agron (Budap)
Acta Biol Cracov, Ser Bot
Acta Biol Med Ger
Acta Bot Venez
Acta Hortic
Acta Leiden
Acta Oecon
Acta Parasitol Iugosl
Acta Physiol Pol
Acta Phytotaxonom Sinica
Acta Technol Agric
Acta Zool Cracov
Acta Zool Lilloana
ADAS Q Rev G B Agric Dev Advis Serv
Adv Biochem Eng
Adv Exp Med Biol
Advis Leafl G B Minist Agric Fish Food
Agrarrecht
Agric Agroind J
Agric Bull Alberta Univ Coll Agric
Agric Commer Ind PROSI (Publ Relat Off Sugar Ind)
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Educ
Agric El Salv
Agric Eng (St Joseph, Mich)
Agric Groupe
Agric Handb U S Dep Agric
Agric Hoje
Agric Inf Bull U S Dep Agric
Agric Ital
Agric Situat India India Dir Econ Stat
Agric Situat U S Dep Agric Stat Rep Serv
Agric Technol
Agriculture (Paris)
Agron Econ Res Trop Soils Annu Rep N C State Univ Soil Sci Dep
Agron Glas
Agron J
Agron Prog Rep
Agron Prog Rep Univ Calif Agric Exp Stn
Agron Res Rep La State Univ Agric Mech Coll Agron Dep
Agron Sulriograndense
Alberta Hog J
Am Bee J
Am Biol Teacher
Am Dairy Rev
Am J Bot
Am J Diseases Children
Am J Enol Vitic
Am J Nursing
Am J Public Health
Am J Vet Res
Am Potato J
Am Rock Gard Soc Bull
Am Veg Grow
Amer J Clin Nutr
An Acad Bras Cienc
An Inst Super Agron
Anal Biochem
Ann Agron
Ann Bot
Ann Dir Etud Equip Sect 2 Serv Exploit Ind Tab Allumettes
Ann Entomol Soc Am
Ann Hydrobiol
Ann Immunol
Ann Ist Sper Fruttic (Rome)
Ann Microbiol
Ann N Y Acad Sci
Ann Pharm Fr
Ann Trop Med Parasitol
Annu Rep Bean Improv Coop
Annu Rev Fluid Mech
APDC Newsl (Agric Pests Destr Counc)
APHIS-91 U S Anim Plant Health Insp Serv
Aquaculture
Arable Farming
Arboric Fruit
Arch Biochem Biophys
Arch Int Pharacodyn Ther
Arch Ital Biol
Arch Naturschutz Landschaftsforsch
Arch Virol
Arch Zool Exp Gen
Arq Esc Vet Univ Fed Minas Gerais
ARS-NC U S Agric Res Serv North Cent Reg
ARS-NE U S Agric Res Serv Northeast Reg
ARS-W U S Agric Res Serv West Reg
Assoc NAL Today Assoc Natl Agric Libr Inc
Astra Protein Letter
Atti Ist Bot Univ Lab Crittogam Pavia
Auburn Vet
Aust Dried Fruit News
Aust For Ind J
Aust J Agric Econ
Aust J Chem
Aust Vet J
Australas Beekeep
Avian Pathol
Bakers Dig
Bangladesh Dev Stud
Behavior Therapy
Beitr Entomol
Beitr Forstwirtsch
Beitr Osterreichischen Stat Austria Statist Zentralamt
Ber Arbeitstag Arbeitsgem Saatzuchtleiter
Ber Eidg Anstalt Forstl Vers
Beret Statens Forsogsmejeri
Beret Statens Husdyrbrugsudvalg Landokonomisk Forsogslab
Betriebs Arbeitswirtsch Prax
Beverly Hills, Calif., Roundtable
Biatas, The Tillage Farmer
Biene
Bienenpflege
Bienenvater
Big Farm Manage
Biochem Biophys Res Commun
Biochem Genet
Biochem J
Biochemistry (Easton)
Biochim Biophys Acta
Biol Ecol Med
Biol Pr
Biol Zentralbl
Biol Zh Arm
Bioorg Khim
BIOS
Birokteren
Biull Nauchn Rabot Vses Nauchno-Issled Inst Zhivotnovod
Biull Vses Inst Rastenievod
Bol Estac Exp Agric (Tucuman)
Bol Soc Quim Peru
Bol Tec Inst Agron
Boll Chim Farm
Boll Lab Entomol Agrar (Portici)
Boll Soc Entomol Ital
Boll Soc Ital Biol Sper
Bot Delhi Univ Bot Soc
Br Poult Sci
Brauwissenschaft
Brew Dig
Broil Ind
Budownictwo Wiejsk
Bull Ad N S W Dep Agric Div Anim Ind
Bull Am Assoc Bot Gard Arboreta
Bull Azabu Vet Coll
Bull Br Mus Nat Hist Entomol
Bull Br Mycol Soc
Bull Buffalo Soc Nat Sci
Bull Coll Agric Vet Med Nihon Univ
Bull Conn Agric Exp Stn New Haven
Bull Conn Univ Ext Serv
Bull Coop Ext Serv Univ Ga Coll Agric
Bull Ehime Univ For
Bull Entomol Soc Am
Bull Fla Dep Agric Consum Serv Div Plant Indus
Bull Fonds Rech For Univ Laval
Bull G B For Comm
Bull G B Minist Agric Fish Food
Bull Idaho Agric Exp Stn Univ Idaho Coll Agric
Bull Idaho For Wildl Range Exp Stn
Bull Inf Mutual Agric
Bull N D Geol Surv
Bull N M Agric Exp Stn
Bull N S W Dep Agric Div Anim Ind
Bull Natl Res Inst Tea (Kanaya, Shizuoka)
Bull P N S W Dep Agric
Bull Rech Agron Gembloux
Bull S N S W Dep Agric
Bull Univ Tenn Agric Exp Stn
Bull Va Polytech Inst State Univ Wood Res Wood Constr Lab
Bull Water Resour Res Cent Va Polytech Inst State Univ
Bull West Va Agric For Exp Stn
Bull Zool Mus Univ Van Amst Buvar
C Coop Ext Serv Kans State Univ
C R Acad Bulg Sci
C R Hebd Seances Acad Sci, Ser D Sci Nat
Cac Suc J
Cajanus
Calif Farmer (Cent Ed)
Calif Vet
Can Agric
Can For Ind
Can J Anim Sci
Can J Biochem
Can J Physiol Pharmacol
Can J Public Health
Cane Grow Q Bull Queensl Bur Sugar Exp Stn
Cas Slezskeho Mus Acta Mus Silesiae Ser A Hist Nat
Cattlemen
Cell Tissue Res
Cellul Carta
Cereal Foods World
Chem Ber Ges Dtsch Chem
Chem Commun
Chem Ind Soc Chem Ind
Chem Spozyw
Chron Hortic
Circ Clemson Univ Ext Serv
Circ Fla Univ Agric Ext Serv
Circ Ill Univ Coop Ext Serv
Circ Pa State Univ Coll Agric Ext Serv
Circ Tex For Serv
Citrus Sub-Trop Fruit J
Clin Vet
CNI Weekly Rep
Comp Biochem & Physiol B, Comp Biochem
Comp Biochem & Physiol C, Comp Pharmacol
Compost Sci
Comprehensive Psychiatry
Conn Greenhouse Newsl
Consumer Reports
Cooking for Profit
Coton Fibres Trop
Coton Fibres Trop (Engl Ed)
Cotton Dev
Counc Agric Sci Technol Rep
Crops Soils
Ctry Life
Cuban J Agric Sci
Cultiv Mod
Cultivar
Cytobiologie
Cytobios
Dairy Counc Dig
Dairy Herd Manage
Dairy Tales
Dairymen's Dig North Cent Reg Ed
Deeds & Data
Dia Vitic Comarca Lagunera
Div Rep C S I R O Div Soils
Div Soils Tech Pap C S I R O
Dohanyipar
Dokl Akad Nauk BSSR
Dokl Akad Nauk SSSR
Drevo
Drobiarstwo
Dtsch Milchwirtsch
Dtsch Molk Ztg
Dtsch Pelztierz
Dtsch Weinbau
DVM (Chicago)
Ecol Food Nutr
Ecol Res Ser
Econ Branch Publ Can Dep Agric Econ Branch
Econ Hist Rev
Econ Mark Inf Mo Agric Mo Univ Coop Ext Serv
Egypt J Dairy Sci
Ekon Poljopr
Ekon Rev
EM Coop Ext Serv Coll Agric Wash State Univ
Endocrinology
Entomol News
Entomol Obozr
Entomol Z
Entomops
Environ Child Health
Environ Entomol
Environ Monit Ser
Environ Pollut
Environ Prot Technol Ser
Environ Res
Environ Sci Tech
Eos
Equine Vet J
Equip Dev Test Rep U S Dep Agric For Serv Equip Dev Cent (Calif)
Equip Tips
ERS Foreign U S Dep Agric Econ Res Serv
ERS U S Dep Agric Econ Res Serv
ESC U S Fed Ext Ser
Eur J Biochem
Exp Mol Pathol
Experientiae
Ext Bull Agric Ext Serv Univ Minn
Ext Bull Mich State Univ Coop Ext Serv
Ext Bull Oreg State Univ Ext Serv
Ext Circ Oreg State Univ Ext Serv
Ext Fol Agric Ext Serv Univ Minn
Ext Pam Agric Ext Serv Univ Minn
Ext Serv Rev U S Dep Agric
Fact Sheet Oreg State Univ Ext Serv
Fam Econ Rev
Fam Health
Farm Econ (Pa State Univ)
Farm Mach
Farmer Coop U S Farmer Coop Serv
Farmers Bull U S Dep Agric
Farming Jap
FAS-M U S Foreign Agric Serv
Fauna Entomol Scand
FCS Res Rep Farmer Coop Serv U S Dep Agric
FDA Consumer
Feddes Repert
Feedstuffs
Feline Pract
Fert News
Fert Situation
Field Notes U S For Serv
Financ Agric
Fiziol Biokhim Kult Rast
Fla Grower & Rancher
Fleischwirtschaft
Flora, Abt B Morphol Geobot
Flora Eur
Flora (Lond)
Floresta (Curitiba)
Florists Rev
Flower And Gard West Ed
Fol Coop Ext Serv Agric Exp Stn Mont State Univ
Folia Biol (Praha)
Folia For
Food and Nutr News
Food Cook Rev
Food Cosmet Toxicol
Food Eng
Food Home Notes
Food Ind Man
Food Management
Food Manuf
Food Nutr
Food Process Ind
Food Prod Dev
Food Serv Mark
Food Technol
Food Technol Aust
For Indus Rev
For Notes
For Prod J

# LIST OF JOURNAL TITLE ABBREVIATIONS CITED

For Res what's new west
For Sci
For Tech Rep Can For Serv
Forecast Home Econ
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PA U S Dep Agric
Pan Pac Entomol
PANS Pest Artic News Summ
Pap Puu
Pap World Res Dev Number
Papeterie
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PB U S Natl Tech Inf Serv
PCT Pest Control Technol
Peanut Sci
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PM Iowa State Univ Sci Technol Ames Coop Ext Serv
Pochvovedenie
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**Recovery of locus Pr-alpha activity in barley (Hordeum vulgare L.) mutant during hybridization and its dose effect.** (Rus) Sozinov, A A; Netsvetaev, V P; Poperelia, F A; Navolotskii, V D *Genetika* 12 (10): 55-59. Plates. Eng. Sum. 1976

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**Studies of the inheritance of quantitative characters in top-crosses of common spring wheat. IV. Number of spikelets per spike.** (Rus) TSil'ke, R A *Genetika* 13 (3): 396-407. Ref. Eng. Sum. Mar 1977

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**Studies on the mechanism of the action of antimutagens. I. Specific modifications by ionol of [chromosome] aberrations [in Crepis capillaris] induced by different factors.** (Rus) Alekperov, U K; Abutalybov, M G; Bagirova, A D *Genetika* 12 (7): 41-46. Ref. Eng. Sum. 1976

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**068280** QH431.A1G4
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S544.3.M6M6

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S544.3.M6M6

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S544.3.M6M6

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S544.3.M6M6

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S544.3.M6M6

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S95.E24

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100 OR3M

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S544.3.W6W53

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S544.3.W6W53

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S544.3.W6W53

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S544.3.W6W53

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S544.3.C2A4

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S544.3.C2A4

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Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles that would not otherwise be indexed in the *Bibliography of Agriculture* might be included for USDA authored, sponsored, or published materials.

The Bibliography is now divided into ten sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

## MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

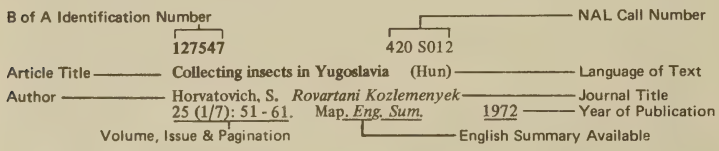
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

| | | | | | |
|---|---|---|---|---|---|
| (Afr) | Afrikaans | (Geo) | Georgian | (Pol) | Polish |
| (Alb) | Albanian | (Ger) | German | (Por) | Portuguese |
| (Arm) | Armenian | (Gre) | Greek | (Rum) | Rumanian |
| (Aze) | Azerbaijani | (Heb) | Hebrew | (Rus) | Russian |
| (Bel) | Belorussian | (Hun) | Hungarian | (Scc) | Serbo-Croatian (Cyrillic) |
| (Bul) | Bulgarian | (Ice) | Icelandic | (Scr) | Serbo-Croatian (Roman) |
| (Bur) | Burmese | (Ind) | Indonesian | (Slo) | Slovak |
| (Chi) | Chinese | (Ita) | Italian | (Slv) | Slovenian |
| (Cze) | Czech | (Jpn) | Japanese | (Spa) | Spanish |
| (Dan) | Danish | (Kor) | Korean | (Swe) | Swedish |
| (Dut) | Dutch | (Lat) | Latin | (Tha) | Thai |
| (Est) | Estonian | (Lav) | Latvian | (Tur) | Turkish |
| (Fin) | Finnish | (Lit) | Lithuanian | (Ukr) | Ukrainian |
| (Fle) | Flemish | (Mac) | Macedonian | | |
| (Fre) | French | (Nor) | Norwegian | | |

In order to identify bibliographic elements within each main entry, note the following:




## MAIN ENTRY SUB-SECTIONS

Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in The Main Entry Section as well as in the sub-sections.

## GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

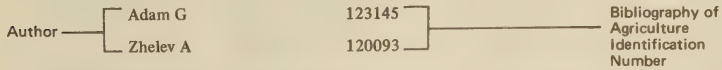
## CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.




## AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.




## SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan his search in terms of the most specific natural language term prior to searching under a scientific term. However, note that the vocabulary is an open ended one and new terms are added each month. Undoubtedly readers will be more keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 25,000 terms. The file is organized so that in most cases synonymous terms are grouped together under a single subject heading. Thus singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based, appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in bold face type. The alphabetic sequence is by the secondary (bold face) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

**CHEESES**

Production and sale of *Gorgonzola* **cheese** [Prices, trade, productive capacity]. 227693

The **cheese** *industry*. 227819

Information for the consumer and advertising abroad of typical *Italian* **cheeses** [Prices]. 227689

Not enough to produce—Sale of *Italian* **cheeses** urgency of modern forms and efficient structures [Prices, trade].

Many general terms were deleted from the control vocabulary in 1975, and work is underway on the establishment of a more complete list of specific terms. Each subsequent issue will reflect this work. The *Thesaurus of Agricultural Terms*, published in 1976, reflects all the changes made in the control vocabulary through December 1975.

The last item of each entry in the Subject Index is the six digit *Bibliography of Agriculture* identification number. Use this number to locate the complete main entry citation in the monthly issues.

## AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

| | |
|---|---|
| Microfilms: | $1.00 for each 30 pages or fraction copied from a single article or book |
| Electrostatic Copies: | $1.00 for each 10 pages or fraction copied from a single article or book. |

Payment must accompany the order. Cash, library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photocopying Service.

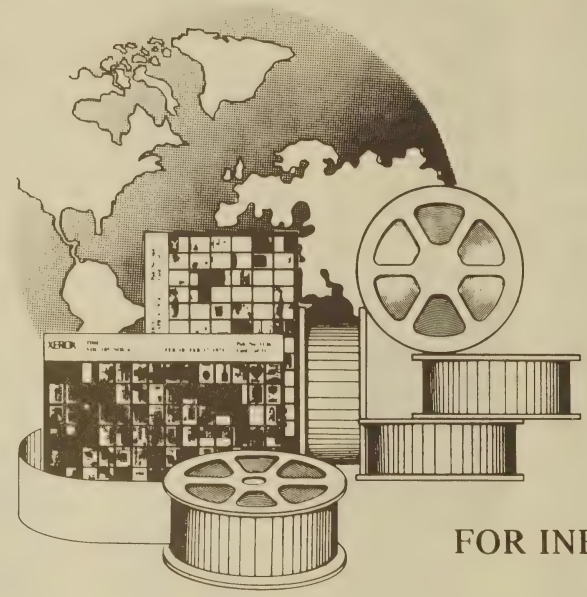
# LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A E Ext Dep Agric Econ N Y State Coll Agric Life Sci Cornell Univ
A E Pap Okla State Univ Dep Agric Econ
A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric Life Sci
Abeilles & Fleurs
Acrida
Acta Agric Scand
Acta Biol Cracov, Ser Bot
Acta Biol Cracov, Ser Zool
Acta Biol Parana
Acta Bot Neerl
Acta Fac Rerum Nat Univ Comenianae Bot
Acta Histochem
Acta Hortic
Acta Hydrobiol
Acta Parasitol Iugosl
Acta Phytotaxon Geobot (Kyoto)
Acta Technol Agric
Acta Univ Agric, Fac Agron
Acta Zool Lilloana
Actual Biol (Colombia)
Adv Chem Ser
Adv Exp Med Biol
Adv Mod Nutr
Adv Prostaglandin Thromboxane Res
Adv Virus Res
Advis Leafl G B Minist Agric Fish Food
AERR Ill Univ Dep Agric Econ
AFRI Res Rep N Y (State) State Univ Coll For Appl For Res Inst
AG Econ Rep Fla Agric Exp Stn Gainesville
AGR Ky Univ Dep Agron
Agrartech Int
Agrarwirtschaft
Agric Am
Agric Biol Chem
Agric Educ
Agric Eng Rep Melbourne Univ Dep Agric Eng
Agric Enterp Stud Engl Wales Econ Rep
Agric Ital
Agric Meteorol
Agriculture (Paris)
Agrochimica
Agron Sulriograndense
Air Pollut
Ali Gazdasag
Am Bee J
Am Biol Teacher
Am Birds
Am Christmas Tree J
Am For
Am Hortic
Am J Agric Econ
Am J Bot
Am J Cardiology
Am J Clin Nutr
Am J Diseases Children
Am J Public Health
Am J Trop Med Hyg
Am J Vet Res
Am Midl Nat
Am Nat
Am Potato J
Am Sci
Amazoniana
Amer J Clin Nutr
An Col Of Vet Prov
An Edafol Agrobiol
Anat Comp Mammiferes Domest
Anat Histol Embryol
Angew Tierhygiene
Anim Behav
Ann Agron
Ann Appl Biol
Ann Gembloux
Ann Geogr
Ann Histochim
Ann Inst Nat Rech Agron Tunis
Ann Inst Sper Agron
Ann Inst Sper Nutr Plante
Ann Inst Sper Selvic
Ann N Y Acad Sci
Ann Phytopathol Soc Jap
Ann Sci Nat Zool Biol Anim
Annot Bibliogr Commonw Inst Helminthol
Annu Prog Rep N Y Farm Electrific Counc
Annu Rep North Nut Grow Assoc
Annu Rev Biophys Bioeng
Annu Rev Pharmacol
Anu Tec Inst Pesqui Zootec
APE, Riv Svizz Apic
Apiacta
Appl Anim Ethology
Appl Energy
Applied Environ Microbiol
Arboric Fruit
Arch Int Physiol Biochem
Arch Ital Anat Embriol
Arch Latinoam Nutr
Arch Microbiol
Arch Zootec
Arkansas Cattle Bus
ARS-S U S Agric Res Serv South Reg
ASC Ky Univ Dep Anim Sci
Auk
Aust For Ind J
Aust J Agric Res
Aust J Exp Agric Anim Husb
Aust Tob Grow Bull
Austral New Zealand J Psychiatry
Australas Beekeep
B C Orchardist
Bak Prod Mark
Balwant Vidyapeeth J Agric Sci Res
Bee World
Behav Ecol Sociobiol
Behav Genet
Beitr Forstwirtsch
Belg Apic
Ber Dtsch Bot Ges
Ber Schweiz Bot Ges
Beret Statens Husdyrbrugsudvalg Landokonomisk Forsogslab
Betriebswirtschaft-Aktuell
BF Butter-Fat Mag
BFE Ber Bundesforschungsanst Ernahr
Bibliogr Dtsch Wetterd
Bibliogr Ser Inst Pap Chem
Biene
Bienenpflege
Bienenvater
Bienenwelt
Bienn Rev Natl Inst Res Dairy
Biochem Biophys Res Commun
Biochem J
Biochemistry (Easton)
Biochim Biophys Acta
Biochimie
Biogeographica
Biokhimiia
Biol J Linn Soc
Biol Plant
Biol Zentralbl
Biol Zh Arm
Biologico
Biometrics
Biophys Struct Mech
BioScience Am Inst Biol Sci
Biotechnol Bioeng
Blyttia
Bol Chil Parasitol Chile Dep Parasitol
Bol Divulg Inst Colomb Agropecu
Bol Inst Biol Bahia
Bol Inst For Lat Am Invest Capacit
Bol Of Sanit Panam
Bol Tec Cent Pesqui Cacau
Boll Soc Ital Biol Sper
Bonsai J
Borgazdasag
Bot J Linn Soc
Bot Mag
Bot Mar
Bot Not
Bot Syst
Botyu Kagaku
Br Bee J
Br J Nutr
Br Phycol J
Brauwissenschaft
Brit J Prev Soc Med
Brittonia
Brooklyn Bot Gard Rec Plants Gard
Bryologist
Bull Agric Exp Stn Auburn Univ
Bull Amer Soc Inf Sci
Bull Anciens Eleves Ec Meun
Bull Azabu Vet Coll
Bull Conn Univ Coop Ext Serv
Bull Fac Agric Meiji Univ
Bull Fish Res Board Can
Bull Hokkaido Prefect Agric Exp Stn
Bull Idaho For Wildl Range Exp Stn
Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)
Bull Inst Int Froid
Bull Inst Pasteur Paris
Bull Kanagawa Hortic Exp Stn
Bull Kans Univ Geol Surv
Bull Math Biol
Bull Md Dept Agric Div Insp Regul
Bull Miss Agric For Exp Stn
Bull Nagoya Univ For Nagoya Daigaku
Bull Natl Grassl Res Inst
Bull Natl Sci Mus Ser A Zool Kokuritsu Kagaku Hakubutsukan
Bull Natl Sci Mus Ser B Bot Kokuritsu Kagaku Hakubutsukan
Bull Oreg Entomol Soc
Bull Oreg Game Comm
Bull R Soc N Z
Bull Shizuoka Prefect Citrus Exp Stn
Bull Soc Chim Fr
Bull Soc Hist Nat Afr Nord
Bull Taiwan For Res Inst
Bull Tech Inf Minist Agric (Paris)
Bull Torrey Bot Club
Bull Univ Maine Orono Life Sci Agric Exp Stn
Bull Va Water Resour Res Cent Va Polytech Inst State Univ
Bull West Aust For Dep
Bull Wildl Soc
Bull Yale Univ Sch For Environ Stud
C R Hebd Seances Acad Sci, Ser D Sci Nat
C R Seances Soc Biol Fil
Cac Suc J
Cac Suc J G B
Calif Farmer (Cent Ed)
Calif Fish Game
Calif Vet
Cameroun Agric Pastor For
Can J Agric Econ
Can J Bot
Can J Chem
Can J Comp Med
Can J Microbiol
Can J Physiol Pharmacol
Can J Plant Sci
Can J Zool
Carbohydr Res
Cas Slezskeho Mus Acta Mus Silesiae Ser A Sci Nat
Cattleman
Cell Surf Rev
Cesk Epidemiol Mikrobiol Imunol
Chem Ind Soc Chem Ind
Chem Mikrobiol Technol Lebensm
Chem Pharm Bull
Chicago Tribune
Chih-wu Hsueh-pao
Chromosoma
Chrysanthemum
Chung Hua Chih Wu Pao Hu Husueh Hui Plant Prot Bull
Cientifica
Circ Argent Repub Estac Exp Agric Tucuman
Circ Pa State Univ Coll Agric Ext Serv
Circ Tex For Serv
Clin Vet
CMI Descr Pathog Fungi Bact (Commonw Mycol Inst)
Commun Inst Tropen Afd Agrar Onderz
Comp Biochem & Physiol B, Comp Biochem
Comun Ser Prod Veg Inst Nac Invest Agrar
Condor
Conservationist
Consumer Reports
Contemp Top Immunobiol
Cooking for Profit
Cornell Int Agric Dev Mimeogr
Cornell Vet
Cranberries
Crop Bull Can Grain Comm Grain Comm Res Lab (Winnipeg)
Crop Sci
Crops Soils
Cross Ties
Ctry Life
Curr Concepts Nutr
Dairy Farmer Dairy Beef Prod
Dairyman (Armadale)
Dan Erhvervsfjerkrae
Dev Biol
Dev Psychobiol
Diss Abstr Int, B Sci Eng
Div Rep C S I R O Div Soils
Div Trop Agron Tech Pap Commonw Sci Ind Res Organ
DLZ (Die Landtech Z)
Drevo
Dritte Welt
Ecol Res Ser
Ecology (Durham)
Econ Agric
Econ Bot
Einzelbericht Forschungsges Agrarpolit Agrarsoziologie Bonn
Eisenhower Consortium Bull Eisenhower Consortium West Environ For Res
Ekon Poljopr
Ekonomista
Entomol Bl
Entomol Obozr
Entomol Rev
Environ Monit Ser
Environ Pollut
Environ Prot Technol Ser
ERFA (Erdogazdasag Faipar)
Esp Ganad
Etud CNEEMA (Cent Natl Etud Exp Mach Agric)
Euphytica
Eur J Pharmacol
Exp Agric
Exp Cell Biol
Exp Cell Res
Ext Bull Wash State Univ Coop Ext Serv
F. O. Licht's Int Sugar Rep
Fam Health
Farm Ed Sci
Fed Proc Fed Am Soc Exp Biol
Feedlot Manage
Feedstuffs
FIBRA
Fieldiana Bot
Fire Management
Fire Technol
Fiziol Biokhim Kult Rast
Fiziol Rast (Mosk)
Flora Morphol Geobot Oekophysiol
Flora Nar Repub Bulg
Flora USSR Akad Nauk SSSR Bot Inst
Folia Biol (Krakow)
Food and Nutr News
Food Eng
Food Ind S Afr
Food Manage
Food Management
Food Nutr (Rome)
Food Prod/Manage
Food Serv Mark
Food Technol
Foot Mouth Dis Bull
For & People
For Farmer
For Ind
For Prod J
For Res Southeast
For Sci
For Sci Monogr
For Serv Tech Rep SO U S South For Exp Stn
Foreign Agric Circ Canned Fruits FCAN U S Foreign Agric Serv
Foreign Agric Circ FDAP U S Foreign Agric Serv
Foreign Agric Circ FDP U S Foreign Agric Serv

Foreign Agric Circ FPE U S Foreign Agric Serv
Foreign Agric Circ Fresh Processed Veg FVEG U S Foreign Agric Serv
Foreign Agric Circ Livest Meat FLM MT U S Foreign Agric Serv
Foreign Agric Circ Tree Nuts FN U S Foreign Agric Serv
Foreign Agric U S Foreign Agric Serv
Fruit Situat TFS U S Dep Agric Econ Res Serv
Fruit Veg Facts Pointers
Fruits & Abeilles
FS (Am Wood) U S For Serv
Fuchsia Fan
Fungic Nematic Tests Results Am Phytopathol Soc
Ga For Res Pap Ga For Res Counc
Gac Colmenar
Gac Vet
Gaz Apic
Gegevens Midden- Kleinbedrijf Econ Inst
Genet Agrar
Genet Res
Genetics
Genetika
Gestenc Meded Landbouwhogesch Afd Landbouplant Grasiandcult
Gidrobiol Zh Hydrobiol J
Gidroliz Lesokhim Prom-st'
Glas Sumske Pokuse
Glasnik Poljopr Proizvod Prerade Plasmana
Glean Bee Cult
Gottinger Bodend Ber
Great Basin Nat
Great Lakes Entomol
Handb Physiol Am Physiol Soc
Hefte Kartoffelbau Forderungsgem Kartoffelwirtschaft
Helv Chim Acta
Hereditas
Heredity
Hilgardia
Hist Fr Rurale
Hist Med Vet
Histochemistry
Hoards Dairym
Home Gard Bull U S Dep Agric
Horiz Biochem Biophys
Hortsci
Hospitals
Human Behav Environ Adv Theory Res
Idaho Wildl Rev
Ikon Misul
Ikon Selskoto Stop
Imkerfreund
In Aktual'nye voprosy obmena veshchestv
In Anais do Simposio Nacional dos Professores Universitarios de Historia; A Propriedade Rural
In Analytical Biochemistry of Insects. R. B. Turner, ed.
In Arid Land Irrigation in Developing Countries: Environmental Problems and Effects; E. B. Worthington, ed.
In Biological and Environmental Effects of Low-Level Radiation; Proceedings of a Symposium
In Buffers in Ruminant Physiology and Metabolism. M. S. Weinberg & A. L. Sheffner, eds.
In Cellulose as a Chemical and Energy Resource. C. R. Wilke, ed.
In Chromatin and Chromosome Structure. H. J. Li & R. A. Eckhardt, eds.
In Colloque sur la vegetation des landes d'Europe occidentale (Nardo-Callunetea)
In Comparative Immunology. J. J. Marchalonis, ed.
In Congress Documentation; Proceedings of the European Meeting of Meat Research Workers
In Dutch Elm Disease; Proc of International Union of Forestry Research Organization Conference
In Energy for Food Production; Proceedings, Energy Symposium
In Engineering & Food Quality; Proceedings of the European Symposium Food
In Europaisches Abwasser- und Abfallsymposium
In Europaisches Abwasser- und Abfallsymposium 0
In Evaluation of Proteins for Humans. C. E. Bodwell, ed.
In Forest Resource Management: Decision-Making Principles And Cases. W. A. Duerr, ed.
In Geobotany; Proceedings of Geobotany Conference
In Immunological Aspects of Foods. N. Catsimpoolas, ed.
In Intensifikatsiia sel'skogo khoziaistva Nechernozemnoi Zony RSFSR. L. K. Ernst & others, eds.
In Intersociety Energy Conversion Engineering Conference Proceedings
In Land as a Waste Management Alternative; Proceedings of the Cornell Agricultural Waste Management Conference
In Livestock Feeds and Feeding. D. C. Church, ed.
In Long-Term Worldwide Effects of Multiple Nuclear-Weapons Detonations
In Management of Lodgepole Pine Ecosystems; Symposium Proceedings
In Manual of Remote Sensing; American Society of Photogrammetry
In Manual of Remote Sensing. R. G. Reeves, A. Anson, and D. Landen, eds.
In Nuclear Techniques in Animal Production and Health; Proceedings of an International Symposium
In Papers; Symposium on Surface Mining and Reclamation
In Pastures New; Changing Roles For Grasses & Clovers In Modern Management; Proceedings Of The NIAB Crop Conference
In People and Food Tomorrow. D. Hollingsworth & E. Morse, Eds.
In Peptides: Chemistry, Structure and Biology; Proceedings of the American Peptide Symposium
In Pest Control; An Assessment of Present and Alternative Technologies
In Pest Control for a Healthy Environment; Proceedings of the British Pest Control Conference
In Phase and Caste Determination in Insects, Endocr Aspects; Papers Presented at the Int Congr of Entomol
In Planning Frontiers in Rural America; Papers and Proceedings of the Boone Conference
In Plant Growth Substances; Proceedings of the International Conference
In Plant Growth Substances; Proceedngs of the International Conference
In Plant Protection in Japan
In Prediction in Catchment Hydrology; National Symposium on Hydrology
In Proceedings National Symposium on Urban Hydrology and Sediment Control
In Proceedings of International Congress of Entomology
In Proceedings of the Indonesian Weed Science Conference
In Proceedings of the International Colloquium on Invertebrate Pathology
In Proceedings of the International Symposium on Insect Pheromones and Their Applications
In Proceedings of the Symposium on Genetics and Breeding of Durum Wheat
In Readings in Wildlife Conservation. J. A. Bailey, W. Elder, and T. D. McKinney, eds.
In Resource Allocation & Productivity in National & International Agricultural Research. T. M. Arndt & Others, eds.
In Responses of Plants to Air Pollution. J. B. Mudd and T. T. Kozlowski, eds.
In Southern African Conference on Water Supply and Pollution Control; papers
In Structure-Activity Relationships in Chemoreception; Proceedings of a Symposium
In Studies about Humus; Transaction of the International Symposium Humus et Planta
In Studies and Humus; Transaction of the International Symposium Humus et Planta
In Symposium: Mikrobielle Proteingewinnung
In Systems Analysis and Forest Resource Management; Proceedings of a Workshop
In Technical Symposium: Nonwoven Product Technology; Symposium Papers
In The Black American reference book. M. M. Smythe, ed.
In The Laboratory Animal in the Study of Reproduction; Symposium of the International Comm on Lab Anim
In The Wild Canids. M. W. Fox, ed.
In Trace Contam in the Environ Proc of the NSF-RANn (Natl Sci Found-Res Applied to Natl Needs) Conf
In Trace Substances in Environmental Health; Proceedings of University of Missouri's Annual Conference
In Tree Physiology and Yield Improvement. M. G. R. Cannell & F. T. Last, eds.
In Water for Human Needs; Proceedings of the World Congress On Water Resources
In Water Resources Utilization and Conservation in the Environment; Proc Water Resources Symp
In Watershed Management; Proceedings of a Symposium
Ind Aliment Agric
Indian J Anim Health
Indian J Anim Sci
Indian J Dairy Sci
Indian J Nutr Diet
Indian J Poult Sci
Indian Poult Ind Yearb
Indian Poult Rev
Inf Card Clemson Univ Ext Serv
Inf Rep BC-X Pac For Res Cent
Inf Rep PS-X Petawawa For Exp Stn
Inf Rep VP-X West For Prod Lab Vancouver
Inf Tec Argent Repub Estac Exp Reg Agropecu Pergamino
Infect Immun
Insecta Matsumurana
Inst Husdjursforadling Rapp Lantbrukshogsk
Instit Distrib
Instit/vol Feeding
Instrucoes Prat Inst Tecnol Aliment
Instrucoes Prat Sao Paulo Braz Secr Agric Coordenadoria Assist Tec Integr
Int J Zoonoses
Int Rev Cytol
Invest Inf Text Tens
Iowa State J Res
Isr J Bot
Ital J Biochem
IUCN Publ New Ser Suppl Pap Int Union Conserv Nat Nat Resour
Izv Akad Nauk Turkm SSR, Ser Biol Nauk
Izv Vyssh Uchebn Zaved Lesn Zh
J Acoust Soc Am
J Agric Assoc China
J Agric Econ
J Agric Res (Taiwan)
J Agric Res China
J Agric Sci (Camb)
J Agric Sci (Setagaya)
J Am Anim Hosp Assoc
J Am Diet Assoc
J Am Oil Chem Soc
J Am Soc Hortic Sci
J Am Soc Sugar Beet Technol
J Am Vet Med Assoc
J Appl Ecol
J Appl Meteorol
J Appl Polym Sci
J Arnold Arbor
J Bacteriol
J Biochem (Tokyo)
J Biol Chem
J Can Diet Assoc
J Cell Biol
J Cell Sci
J Chem Soc, Perkin Trans I
J Chromatogr
J Clin Microbiol
J Dairy Sci
J Ecol
J Electron Microsc
J Embryol Exp Morphol
J Endocrinol
J Environ Qual
J Environ Sci Health Part A Environ Sci Eng
J Exp Bot
J Fire Flammability
J Fish Res Board Can
J Food Prot
J Food Sci
J Food Sci Tech
J Food Sci Tech (Tokyo)
J Gen Microbiol
J Gen Virol
J Hattori Bot Lab
J Hortic Sci
J Hydrol
J Hydrol N Z
J Hyg
J Inst Anim Tech
J Jap Bot
J Jap Vet Med Assoc
J Miss Acad Sci
J Mol Biol
J Nutr
J Parasitol
J Pathol (Edinb)
J Physiol
J R Soc West Aust
J Range Manage
J Reprod Fertil
J S Afr Bot
J Sci Food Agric
J Sci Soil Manure
J Seric Sci Jap
J Soc Agric Mach Jap
J Soil Sci Soc Am
J Soil Water Conserv
J Supramolecular Struct
J Takeda Res Lab
J Toxicol Environ Health
J Virol
J Water Pollut Control Fed
J Wildl Dis
J Wildl Manage
J Zool
Jap J Breed
Jap J Ecol
Jap J Nutr
Jap J Vet Sci
Jap J Zootech Sci
Jap Poult Sci
JASA J Am Stat Assoc
Jordbruksekon Medd
Journal of Human Nutrition
Kaju Shikenjo Hokoku B (Okitsu)
Kans Sch Nat
Kenkyu Hokoku Hokkaido-Ritsu Rinsan Shikenjo
Kenkyu Sosho Nogyo Sogo Kenkyu-sho
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## INSECT PESTS AND CONTROL—GENERAL AND MISCELLANEOUS PLANTS

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## TAXONOMIC ENTOMOLOGY

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## APICULTURE AND SERICULTURE

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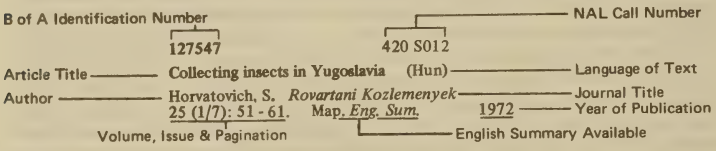
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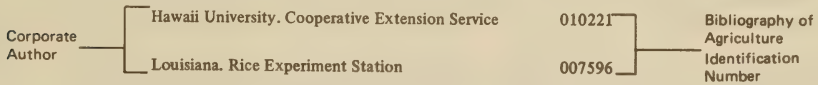
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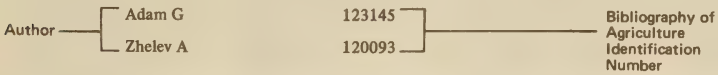
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The **cheese** *industry*. 227819
Information for the consumer and advertising abroad of typical *Italian* **cheeses** [Prices]. 227689
Not enough to produce—Sale of *Italian* **cheeses** urgency of modern forms and efficient structures [Prices, trade].

Many general terms were deleted from the control vocabulary in 1975, and work is underway on the establishment of a more complete list of specific terms. Each subsequent issue will reflect this work. The *Thesaurus of Agricultural Terms*, published in 1976, reflects all the changes made in the control vocabulary through December 1975.

The last item of each entry in the Subject Index is the six digit *Bibliography of Agriculture* identification number. Use this number to locate the complete main entry citation in the monthly issues.

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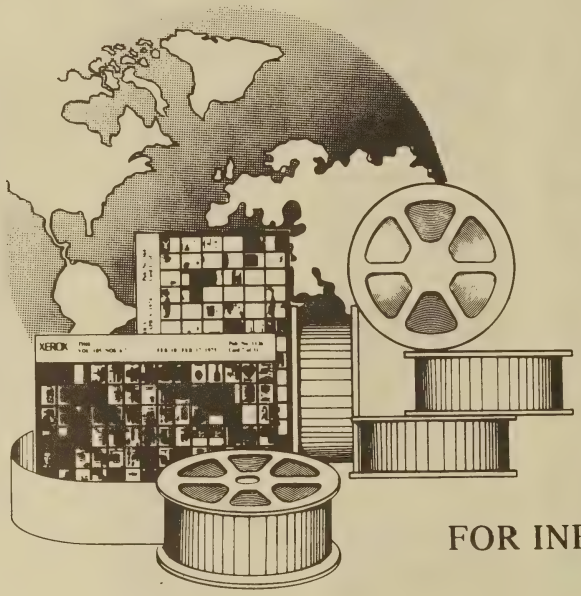
# LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A E Ext Dep Agric Econ N Y State Coll Agric Life Sci Cornell Univ
A E Res N Y State Univ Dep Agric Econ
A S A Spec Publ Am Soc Agron
Acad Agric Fr C R Seances
Acad Econ Pap Chung yang yen chiu yan ching chi yen Chiu ch'u
Acarologia
ACS Symp Ser (Amer Chem Soc)
Acta Agric Scand
Acta Anat
Acta Arachnol
Acta Biol (Budap)
Acta For Fenn
Acta Hydrochim Hydrobiol
Acta Microbiol Sinica
Acta Neurobiol Exp
Acta Phytogeogr Suec
Acta Soc Bot Pol
Acta Univ Agric, Fac Agron
Acta Virol
Acta Vitaminol Enzymol
Acta Zool (Stockh)
ADV Data (Natl Ctr Health Statistics)
Adv Environ Sci Technol
Adv Genet
Adv Parasitol
Advis Leafl G B Minist Agric Fish Food
AE & RS Pa State Univ Dep Agric Econ Rural Soc
Aerial Appl
AGR Ky Univ Dep Agron
Agrar Tud Egy Kozl (Godollo)
Agric Econ Rep Dep Agric Econ Mich State Univ
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Econ Rep N D Agric Exp Stn Dep Agric Econ
Agric Educ
Agric Handb U S Dep Agric
Agric Hist
Agric Hist Rev
Agric Inf Bull U S Dep Agric
Agric Libr Inf Notes
Agric Meteorol
Agric Res J Kerala
Agricultura (Madr)
Agrokem Talajtan
Agrokhimiia
Agron J
Agron Sulriograndense
Agronomia (Monterrey)
Aija Keizai
Aktuel Lantbrukshogsk (Upps)
Alimenta
Allg Dtsch Imkerztg
Am Bee J
Am Dairy Rev
Am Dyest Rep
Am Fern J
Am For
Am J Anat
Am J Bot
Am J Clin Nutr
Am J Enol Vitic
Am J Nursing
Am J Physiol
Am J Public Health
Am J Vet Res
Am Mus Novit
Am Potato J
Am Sci
Am Veg Grow
Amer J Clin Nutr
AMS U S Dep Agric Agric Mark Serv
An Bromatol
An Oviedo Univ Fac Vet (Leon)
Anal Biochem
Anal Situac Agric Sinaloa Confed Asoc Agric Estado Sinaloa Dep Estud Econ Estad
Anat Rec
Angew Parasitol
Anim Breed
Anim Prod
Ann Appl Biol
Ann Cape Prov Mus Albany Mus
Ann Entomol Soc Am
Ann Fac Agrar (Bari)
Ann Falsif Expert Chim
Ann Hist Nat Mus Natl Hung Termeszettud Muz Evk
Ann Immunol
Ann Inst Phytopathol Benaki
Ann Microbiol
Ann Mo Bot Gard
Ann Naturhist Mus Wien
Ann Pharm Fr
Ann Sci Nat Bot Biol Veg
Ann Tech Agric
Ann Univ Maria Curie Sklodowska, Sect E Agric
Annee Biol
Annot Zool Jap
Annu Rev Plant Physiol
Antarct J U S
APPITA (Aust Pulp Pap Ind Tech Assoc)
Arbor Bull Arbor Found Seattle
Arboric Fruit
Arch Bot Biogeogr Ital
Arch Exp Veterinarmed
Arch Protistenkd
Arch Tierz
Arecanut Spices Bull
Arid Lands Resour Inf Pap
Arkansas Farm Res
Arnoldia
ARS-NC U S Agric Res Serv North Cent Reg
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
ARS-W U S Agric Res Serv West Reg
ARS-62 U S Agric Res Serv
Artha Vijnana J Gokhale Inst Polit Econ
ASCS Background Inf BI (Agric Stab Conserv Serv)
Atherosclerosis
Atmos Environ
Atti Mem Accad Agric Sci Lett Verona, Ser VI
Aust Field Crops
Aust J Chem
Aust J Dairy Technol
Aust J Soil Res
Aust J Zool
Aust J Zool Suppl Ser Suppl
Aust Wool Sales Stat Stat Anal Aust Wool Corp
Aust Zool
Australas Beekeep
Avian Dis
Avic Ind
Bacteriol Rev
Behav Ecol Sociobiol
Behaviour
Beitr Entwicklungsgesch Zuckerwirtsch Zuckerind
Ber Ohara Inst Landwirtsch Biol
Beret Statens Husdyrbrugsudvalg Landokonomisk Forsogslab
Berichte Landwirtsch Ger (Fed Repub) Bundesminist Ernaehr Landwirtsch Forsten
Better Homes Gardens
Biatas, The Tillage Farmer
Bibl Conmemor
Bibl Lichenol
Bibl Wiad IMUZ (Inst Melior Uzytkow Zielon)
Bibliogr Insectic Mater Veg Origin Trop Fruits Inst
Bibliogr Ser Inst Pap Chem
Biene
Bienenpflege
Bienenvater
Bienenwelt
Biken J
Biochem Biophys Res Commun
Biochem Exp Biol
Biochem J
Biochemistry (N Y)
Biochim Biophys Acta
Biochimie
Biol Bull Acad Sci USSR
Biol Moria
Biol Plant
Biol Reprod
Biol Rev
Bioorg Khim
Biophys Struct Mech
Biophysics
BioScience Am Inst Biol Sci
Biul Inst Ochr Rosl (Poznan)
Biul Inst Ziemniaka
Blas Sumar Fak
Bois Forets Trop
Boissiera
Bol Eng Ed Pan Am Sanit Bur
Bol Estac Cent Ecol Inst Nac Conserv Nat
Bol Inst Azeite Prod Oleaginosos
Bol Inst For Lat Am Invest Capacit
Bol Tec Inst Pesqui Agron
Bol Tec Inst Pesqui Agropecu Sul (Pelotas)
Boll Chim Farm
Boll Soc Geogr Ital
Boll Soc Ital Biol Sper
Bosque
Bot Gaz
Bot J Linn Soc
Br Bee J
Br J Nutr
Br J Pharmacol
Br Poult Sci
Br Sugar Beet Rev
Bras Acucar
Brew Guardian
Brit J Prev Soc Med
Brooklyn Bot Gard Rec Plants Gard
Bull Acad Pol Sci, Ser Sci Biol
Bull Agric Exp Stn Div Agric Univ Arkansas
Bull Am Assoc Bot Gard Arboreta
Bull Am Meteorol Soc
Bull Am Mus Nat Hist
Bull Cent Etud Rech Sci
Bull Entomol Res
Bull Environ Contam Toxicol
Bull Fish Res Board Can
Bull Fla Agric Exp Stn
Bull Gov For Exp Stn (Tokyo)
Bull Indian Soc Soil Sci
Bull Mens Soc Linn Lyon
Bull Minist Agric Rural Dev Malays
Bull Mus Comp Zool (Harvard Univ)
Bull Mus Natl Hist Nat Ser 3 Bot
Bull Natl Inst Agric Sci, Ser B Soils Fert
Bull O I V (Off Int Vigne Vin)
Bull Off Int Epizoot
Bull Rech Agron Gembloux
Bull Res Div, Va Polytech Inst State Univ
Bull Soc Pathol Exot Ses Fil
Bull South Aust Woods For Dep
Bull Tasman Dep Agric
Bull Trimest Acad Soc Lorraines Sci
Bull Trimest Soc For Franche Comte Prov Est
Bull Trop Agric Res Train Cent (Turrialba)
Bull Va Polytech Inst State Univ Wood Res Wood Constr Lab
Bull Victoria Aust For Comm
CA NE U S Agric Res Serv Northeast Reg
Cah Ing Agron
CA-H U S Agric Res Serv
Cajanus
Calcif Tissue Res
Calif Farmer (Cent Ed)
Can Entomol
Can Field Nat
Can Home Econ J
Can J Genet Cytol
Can J Microbiol
Cane Grow Bull
CARD Rep Cent Agric Econ Dev Iowa State Univ
Caryologia
Castanea
Cattleman
Ceiba
Cell Immunol
Cell Struct Funct
Cell Tissue Res
Cellul Carta
Cenicafe
Cereal Chem
Cereal Foods World
Chem Ber Ges Dtsch Chem
Chem Commun
Chem Era
Chem Erde
Chem Ind Soc Chem Ind
Chem Phys Lipids
Chicago Tribune
Christmas Trees
Chromosoma
Chron Hortic
Cienc Invest Agrar
Circ Calif Dep Fish Game
Circ Coop Ext Ser Univ Ga Coll Agric
Circ Coop Ext Serv Univ Hawaii
Citrus Sub-Trop Fruit J
Clin Toxicol
Collect Czech Chem Commun
Commentat Biol Suom Tiedeseura
Commun Inst Tropen Afd Agrar Onderz
Commun Soil Sci Plant Anal
Comp Anim Nutr
Compost Sci
Coop Plant Pest Rep U S Anim Plant Health Insp Serv Plant Prot Quar Programs
Cornell Vet
Cotton Allied Text Ind
Cotton Dev
Cotton Wool Situat CWS U.S. Dep Agric Econ Res Serv Comm Econ Div
Cow Moos
CRC Crit Rev Environ Control (Chem Rubber Co)
CRC Crit Rev Food Sci Nutr (Chem Rubber Co)
CRC Crit Rev Microbiol (Chem Rubber Co)
Crops Soils
Ctry Life
Cytogenet Cell Genet
Czas Geogr
Dairy Counc Dig
Dairy Notes
Dan Erhvervsfjerkrae
Dan Veterinaertidsskr
Davidsonia
Delt Hellen Kteniatr Hetair
Dev Biol
Dev Grow Differ
Dev Psychobiol
Differentiation
Dig Int J Gastroenterol
Div Sea Fish Invest Rep Repub S Afr Dep Ind
Dokl Acad Sci U S S R , Earth Sci Sect
Dokl Akad Nauk Az SSR
Dokl Akad Nauk BSSR
Dokl Akad Nauk SSSR
Dokl Akad Nauk Uzb SSR
Dokl Biophys Akad Nauk SSSR
Dokl Vses Akad S-kh Nauk
Drev Vysk
Dtsch Pelztierz
Ecol Res Ser
Econ Bot
Econ Branch Publ Can Dep Agric Econ Branch
Econ Inf Rep Fla Univ Food Resour Econ Dep
Econ Soc Issues Calif Univ Davis Coop Ext Serv
Eisenhower Consortium Bull Eisenhower Consortium West Environ For Res
Endocrinology
Entomol Arb Mus G Frey Tutzing Munch
Entomol Exp Appl
Entomol Gaz
Entomol Rec J Var
Entomol Z
Entomophaga
Environ Child Health
Environ Control Biol Seibutsu Kankyo chosetsu
Environ Entomol
Environ Manage
Environ Prot Technol Ser
Eos
ERDA Energy Res Abstr
ERS U S Dep Agric Econ Res Serv
Esakia
Eur J Pharmacol
Evol Agric Mens Tec Attual Agric Zootech
Evolution
Exp Parasitol

Ext Bull Mich State Univ Coop Ext Serv
Ext Circ Oreg State Univ Ext Serv
F. O. Licht's Int Sugar Rep
Fachliche Mitt Austria Tabakwerke Gendir
Faipar
Fam Health
FAO Fish Tech Paper Food Agric Organ U N
Farm Chem
Farm Policy
Fauna SSSR
FCS Res Rep Farmer Coop Serv U S Dep Agric
FEBS Lett (Fed Eur Biochem Soc)
Fed Proc Fed Am Soc Exp Biol
Feddes Repert
Feedstuffs
Fert Prog
Fieldiana Bot
Fitoterapia
Fjaderfa
Fla Entomol
Fleischforsch Prax
Flora Sporovykh Rast Kaz Akad Nauk Kaz SSR
Flora West Pak
Florists Rev
Foldrajzi Ert
Folia For
Food Eng
Food Ind S Afr
Food Nutr Notes Rev Aust Dep Health
Food Technol
Food Technol N Z
Food Technol Rev
For Indus Rev
For Prod J
For Tree Ser Aust For Timber Bur
Foreign Agric Circ Coffee FCOF U. S. Foreign Agric Serv
Foreign Agric Circ FDF U S Foreign Agric Serv
Foreign Agric Circ Fibers FVF U S Foreign Agric Serv
Foreign Agric Circ FLM U S Foreign Agric Serv
Foreign Agric Circ FOP U S Foreign Agric Serv
Foreign Agric Circ Fresh Processed Veg FVEG U S Foreign Agric Serv
Foreign Agric Circ FTEA U S Foreign Agric Serv
Foreign Agric Circ Livest Meat FLM MT U S Foreign Agric Serv
Foreign Agric Circ Poult Eggs FPE U S Foreign Agric Serv
Foreign Agric Circ Sugar FS U S Foreign Agric Serv
Foreign Agric Econ Rep U S Dep Agric Econ Res Serv
Foreign Agric Trade U S Dep Agric Econ Res Serv
Foreign Agric U S Foreign Agric Serv
Foreign Policy
Forsk Prakt
Fortschr Veterinarmed
Fortschrittsber Landwirtsch Nahrungsguterwirtsch
G Allevatori
Ga Vet
Gac Vet
Garden
Gartneryrket
Gaz Apic
Gaz Chim Ital
Gazdalkodas
Gen & Comp Endocrinol
Gen Pharmacol
Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv
Gene
Genet Res
Genetics
Geomorfologiia
Giessen Beitr Erbpathol Zuchthyg
Glean Bee Cult
Godsling Inst Skogsforbattring
Grounds Maint
Hajtatas Korai Termesztes Kert Egy Zoldsegtermesztesi Tansz
Handb Veg Sci
Hawaii Plant Rec
Health Aust Dep Health
Hidrol Kozl
Hist Fr Rurale
Hist Med Vet
Hoards Dairym
Hog Farm Manage
Hohenheimer Arbeiten
Hoppe Seylers Z Physiol Chem
Horm & Behav
Horm Res
Hospitals
Hung Agric Rev
Husipar
Hydrobiologia
IARC Sci Publ Int Agency Res Cancer
IDIA
Ill Res
Imkerfreund
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In Pesticide Residue Hazards to Farm Workers; Proceedings Of a Workshop
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In Proceedings of the International Food Delivery Systems Symposium
In Proceedings of the National Plant Tissue Culture Symposium
In Proceedings Youth Horse Symposium
In Reclamation and Use of Disturbed Land in the Southwest. J. L. Thames, ed.
In Remote Sensing of Environment. J. Lintz, Jr & D. S. Simonett, eds.
In Rural Poverty and the Policy Crisis. R. O. Coppedge & C. G. Davis, eds.
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In Studies on the Long Term Storage of Acorn; final report
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In Veritsilleznyi vilt kul'turnykh rastenii Moldavii; I. S. Popushoi and others, eds.
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In Vitro J Tissue Cult Assoc
In Water Relations in Membrane Transport in Plants and Animals. A. M. Jungreis & others, eds.
In Water Renovation and Reuse. H. I. Shuval, ed.
Ind Aliment Anim
Ind Avic
Ind Azucar
Ind Leche
Ind Obst Gemuseverwert
Indian Cof
Indian Dairym
Indian Farming
Indian J Agric Sci
Indian J Entomol
Indian J Med Res
Indian J Plant Physiol
Indian Phytopathol
Indian Pulp Pap
Indian Silk
Indian Sugar
Inf Agric (Luxemb)
Inf Bot Ital
Inf Rep BC-X Pac For Res Cent
Inf Rep VP-X West For Prod Lab Vancouver
Inf Sobre Grasas Aceites
Inf Tec Inst For (Santiago)
Inf U S Farmer Coop Serv
Infect Immun
Insect Liberations Can
Insectes Soc
Inst Husdjursforadling Rapp Lantbrukshogsk
Inst Prod Florestais Cortica
Instit/vol Feeding
Int J Biometeorol
Int J Environ Anal Chem
Int J Insect Morphol Embryol
Int Pest Control
Int Sugar J
Inten Agric
INTSOY Ser Int Soybean Program
Ir J Agric Econ Rural Sociol
Ir Vet J
Irrig Power
Isr J Zool
Ital J Biochem
Izv Ser Geogr Akad Nauk SSSR
Izv Timiriazevsk S-kh Akad
Izv Vyssh Uchebn Zaved Tekhnol Tekst Prom-sti
J Abnormal Psych
J Agric Food Chem
J Agric (Melb)
J Agric Sci (Camb)
J Agric Soc Trinidad Tobago
J Am Chem Soc
J Am Diet Assoc
J Am Oil Chem Soc
J Am Vet Med Assoc
J Anim Sci
J Appl Meteorol
J Appl Photogr Eng
J Appl Physiol
J APREA (Am Peanut Res Educ Assoc Inc)
J Arnold Arbor
J Assoc Off Anal Chem
J Bacteriol
J Biochem (Tokyo)
J Biol Chem
J Bombay Nat Hist Soc
J Br Grassl Soc
J Bromeli Soc
J Can Diet Assoc
J Cell Biol
J Cell Physiol
J Chromatogr
J Clin Microbiol
J Comp Physiol
J Comp Physiol Psychol
J Dairy Sci
J Dev Econ
J Econ Entomol
J Electron Microsc
J Embryol Exp Morphol
J Environ Health
J Evol Biochem Physiol
J Exp Biol
J Exp Mar Biol Ecol
J Exp Zool
J Extension
J Flour Anim Feed Milling
J Food Distrib Res
J Food Technol
J For
J Gen Physiol
J Helminthol
J Home Econ
J Indian Soc Soil Sci
J Insect Physiol
J Invertebr Pathol
J Kans Entomol Soc
J Med Ed
J Membr Biol
J Microsc Biol Cell
J Microsc (Lond)
J Mol Biol
J Morphol
J Natl Assoc Coll Teach Agric
J Nutr
J Nutr Educ
J Org Chem
J Parasitol
J Peasant Stud
J Personality Soc Psyc
J Physiol
J Polym Sci Polym Symp
J Protozool
J S Afr Vet Assoc
J Sci Soil Manure
J Soil Sci Soc Am
J Soil Sci U A R
J Soil Water Conserv
J South West Afr Sci Soc
J Sports Turf Res Inst
J Supramolecular Struct
J Taiwan Livest Res
J Text Inst
J Text Mach Soc Jap
J Timber Dev Assoc India
J Ultrastruct Res
J Virol
J Wildl Manage
J Zool
J Zool Soc India
Jordbruksekon Medd
Journal of Human Nutrition
Justus Liebigs Ann Chem
Kenkyu Hokoku Hokkaido-Ritsu Rinsan Shikenjo
Kenya Cof
Kert Egy Kozl Kert Egy
Keszthelyi Mezogazdasagtud Kozl Agrartud Egy Keszthely
Khim-Farm Zh
Kholod Tekh
Konchu
Korean J Bot
Korean J Parasitol
Kosmos
Kraftfutter
Kulturpflanze
La Agric
La- Yaaran For Israel For Assoc
Lab Anim Sci
L'Action Vet
Land Econ
Land Hauswirtsch Auswert Informationd
Landbouwkd Tijdschr
Landbrukstidende
Laporan Lembaga Penelitian Hutan
Laporan Rep Lembaga Penelitian Hasil Hutan
Latte
Leafl Agric Exp Stn Auburn Univ
Lejeunia Rev Bot
L'elevage
Lepid Soc News
Lesn Prom-st
Libyan J Agric Univ Tripoli Fac Agric
Lilloa
Limnol Oceanogr
Listen
Livest Advis
Livest Farming
Lond Nat
Lucr Stiint Inst Cercet Proiect Pentru Pastrarea Valor Legum Fruct
Madrono
Maelkeritidende
Magy Allatvilaga
Magy Textiltech
Malays Vet J
Mar Biol
Mark Bull U S Dep Agric
Medd Jordbruk Utredningsinst
Medd Nor Inst Skogforskning
Medd Statens Forsogsvirksomhed Plantekult
Medd Sven Traskyddsinst Rep Swed Wood Preserv Inst
Meded Landbouwhogesch Wageningen
Meded Rijksstation Sierplantenteelt
Meld Landbruksteknisk Inst
Meld Nor Landbrukshogsk
Mesopotam J Agric
Meteorol Gidrol
Metod Zavad Vysled Vyzk Praxe
Mex Agric
Mex For
Mezogazd Vilagirodalom
Mich Bot
Microbiology
Microchem J
Mimeogr Ser Univ Arkansas Agric Exp Stn
Minn Hortic
Minn Sci
Misc Rep Cent Overseas Pest Res
Mitt Dtsch Forschungsgem Kom Prufung Rucktanden Lebensm
Mod Dairy
Mod Vet Pract
Mol Biol
Mol Biol (Kiev)
Mol Pharmacol
Mol Struct Diffr Methods
Mondo Latte
Monit Zool Ital Ital J Zool New Ser
Monit Zool Ital, Suppl
Monitor
Monogr Theor Appl Genet
Mutat Res
Mutisia
Mycologia
N Z Fert J
N Z Geogr
N Z J Exp Agric
N Z Soil News
Na Okika O Hawaii (Hawaii Orchid J)
Nat Belg
Nat Can
Natl Cac Suc J
Naturalist
Nature
Neth J Plant Pathol
Neth Milk Dairy J
Neue Bienenzucht
New Phytol
New Sci (London)
Newsl Assoc Off Seed Anal
Niger J Anim Prod
Nor Pelsdyrbl
Nor Skogind
Not Agric
Nova Hedwigia Z Kryptogamenkd
Novenytermeles
Nowe Roln
NR Technol Malays Rubber Prod Res Assoc
Nucleic Acids Res
Nuovi Ann Ig Microbiol
Nutr Program News
Nutr Rep Int
Nutr Requir Domest Anim Natl Res Counc Comm Anim Nutr
Nutr Rev
Obz Inf Vses Nauchno-Issled Inst Inf Tekh-Ekon Issled Sel'sk Khoz
Occas Pap N Y State Coll Agric Dep Agric Econ
Ohio Rep Res Dev Agric Home Econ Nat Resour
Oils Oilseeds J
Okajimas Folia Anat Jap
Oleagineux
Ontogenez
Org Gard Farming
Ornamentals Northwest
Outlook Agric
Ovtina
Ovocn Ed Cesk Akad Ved
Ovoshtarstvo
PA U S Dep Agric
Pam Natl Univ Inst Agric Volcan Inst Agric Res Div Sci Publ (Bet Dagan)
Pap Puu
Parent's Magazine
Pavo
PB U S Natl Tech Inf Serv
Pchelovodstvo
Peanut Farmer
Pecan South
Pharm Chem J
Philos Trans R Soc Lond, Ser B Biol Sci
Phospho Potas
Photochem Photobiol
Photogrammetria
Photosynthesis Bibliogr
Physiol Plant Pathol
Phytochemistry
Phytoma
Phyton
Phytopathol Mediterr
Phytopathology
Pig Farmer
Pig Farming
Plant Cell Physiol
Plant Physiol
Planta

PNW Oreg State Univ Coop Ext Serv
Polevaia Geobot
Pomol Fr
Potato Res
Poult Sci
Poult Trib
Prakt Lantbruk
Prelim Rep Volcani Inst Agric Res
Prep Biochem
Princ Tech Scanning Electron Microsc
Prir Pr Ustavu Cesk Akad Ved Brne Nova Ser
Priroda (Mosk)
Probl Econ (N Y)
Proc Am Forage Grassl Counc
Proc Annu Conv Natl Peach Counc
Proc Annu Meet N Y State Hortic Soc
Proc Calif Acad Sci
Proc Entomol Soc Wash
Proc Fert Soc Lond
Proc Grass Breeders Work Plann Conf
Proc Grassl Soc South Afr
Proc Hawaii Entomol Soc
Proc Indiana Acad Sci
Proc Int Bedding Plant Conf
Proc N Z Grassl Assoc Conf
Proc Natl Acad Sci U S A
Proc S D Acad Sci
Proc Soc Exp Biol Med
Proc South Pasture Forage Crop Imp Conf
Prof Pap U S Geol Surv
Prog Farmer (Birmingham)
Prog Food Nutr Sci
Prog Water Technol
Prostaglandins (Los Altos)
Psyc Bul
Pub (Manit Dep Agric)
Publ Can Dep Agric
Publ Coop Ext Programs Univ Wis Ext
Publ Econ Branch Can Dep Agric
Publ U S Ext Serv
Publ 5 Landbouw-Econ Inst Afd Viss Bosbouw
Pulp And Pap
Q Bull Am Rhodod Soc
Q J Agric Econ
Q Rev Agric Econ Aust Bur Agric Econ
Quaest Entomol
Queensl Agric J
Queensl Nat
Radiat Environ Biophys
Radiobiology
Range Sci Ser Colo State Univ Range Sci Dep
Rapp Avh Inst Vaxtodling Lantbrukshogsk Upps Rep Diss Dep Plant Husb Agric Coll Swed
Rapp Inf LAU-X Laurentian For Res Cent Que Reg
Rapp Uppsats Inst Skogstaxer Skogshogsk (Stockh)
Rep Water Res Found Aust
Rep Water Resour Res Inst Univ N C
Res Bull Coll Exp For Hokkaido Univ
Res Bull E M Rocky Mt For Range Exp Stn
Res Bull For Res Lab Sch For Oreg State Univ
Res Bull Hokkaido Natl Agric Exp Stn
Res Div Bull Va Polytech Inst State Univ
Res Indus
Res Norw Agric
Res Note INT U S Dep Agric For Serv Intermt For Range Exp Stn
Res Pap For Res Lab Sch For Oreg State Univ
Res Rep Mont Agric Exp Stn Mont State Univ
Res Vet Sci
Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)
Resour Bull SO South For Exp Stn For Serv U S Dep Agric
Resour Manage Ser R M Agric Econ W Va Univ Coll Agric For Div Resour Manage
Respir Physiol
Restaurant Bus
Rev Asoc Argent Criad Cerdos
Rev Asoc Rural Urug
Rev Biol Trop
Rev Cafe
Rev Econ Stat
Rev ESSO Agric
Rev Fac Farm Bioquim
Rev Fac Med Vet Zootec Univ Sao Paulo
Rev Ferment Ind Aliment
Rev Iber Parasitol
Rev Inst Agric Catalan San Isidro
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# MAIN ENTRY SECTION

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**Description of males of Pallasiola theoneiformis Mandl (Chrysomelidae: Galerucinae).** (Ger) Mandl, K *Entomol Arb Mus G Frey Tutzing Munch* 27: 398-399. 1976

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**New Old World Hispinae (Coleoptera: Chrysomelidae: Hispinae) [Callispa similima, Callispa fraudulenta, Gonophora blandula, Prionispa hcruka].** (Ger) Wurmli, M *Entomol Arb Mus G Frey Tutzing Munch* 27: 391-397. Eng. Sum. 1976

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**New Sericinae and Macrodactylini from Brazil (Coleoptera, Melolonthidae).** (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 27: 375-388. 1976

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**New Sericinae from South India and West Africa (Coleoptera, Melolonthidae) [Neoserica kulzeri, Neoserica setosicollis, Cyrtocamenta bechynei].** (Ger) Frey, G *Entomol Arb Mus G Frey Tutzing Munch* 27: 369-371. 1976

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**092764** 420 M923
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The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

## CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation and Lockheed Information Systems.

Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles that would not otherwise be indexed in the *Bibliography of Agriculture* might be included for USDA authored, sponsored, or published materials.

The Bibliography is now divided into ten sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

## MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

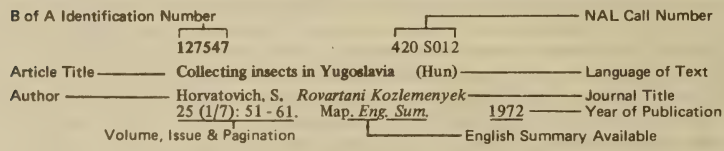
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

| | | | | | |
|---|---|---|---|---|---|
| (Afr) | Afrikaans | (Geo) | Georgian | (Pol) | Polish |
| (Alb) | Albanian | (Ger) | German | (Por) | Portuguese |
| (Arm) | Armenian | (Gre) | Greek | (Rum) | Rumanian |
| (Aze) | Azerbaijani | (Heb) | Hebrew | (Rus) | Russian |
| (Bel) | Belorussian | (Hun) | Hungarian | (Scc) | Serbo-Croatian (Cyrillic) |
| (Bul) | Bulgarian | (Ice) | Icelandic | | |
| (Bur) | Burmese | (Ind) | Indonesian | (Scr) | Serbo-Croatian (Roman) |
| (Chi) | Chinese | (Ita) | Italian | | |
| (Cze) | Czech | (Jpn) | Japanese | (Slo) | Slovak |
| (Dan) | Danish | (Kor) | Korean | (Slv) | Slovenian |
| (Dut) | Dutch | (Lat) | Latin | (Spa) | Spanish |
| (Est) | Estonian | (Lav) | Latvian | (Swe) | Swedish |
| (Fin) | Finnish | (Lit) | Lithuanian | (Tha) | Thai |
| (Fle) | Flemish | (Mac) | Macedonian | (Tur) | Turkish |
| (Fre) | French | (Nor) | Norwegian | (Ukr) | Ukrainian |

In order to identify bibliographic elements within each main entry, note the following:




## MAIN ENTRY SUB-SECTIONS

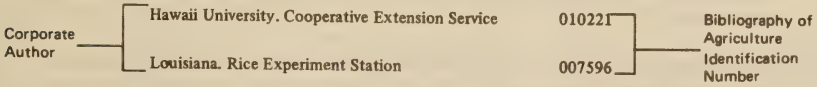
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in The Main Entry Section as well as in the sub-sections.

## GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

## CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.




## AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.




## SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan his search in terms of the most specific natural language term prior to searching under a scientific term. However, note that the vocabulary is an open ended one and new terms are added each month. Undoubtedly readers will be more keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 25,000 terms. The file is organized so that in most cases synonymous terms are grouped together under a single subject heading. Thus singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based, appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in bold face type. The alphabetic sequence is by the secondary (bold face) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

**CHEESES**

Production and sale of *Gorgonzola* **cheese** [Prices, trade, productive capacity]. 227693

The **cheese** *industry*. 227819

Information for the consumer and advertising abroad of typical *Italian* **cheeses** [Prices]. 227689

Not enough to produce—Sale of *Italian* **cheeses** urgency of modern forms and efficient structures [Prices, trade].

Many general terms were deleted from the control vocabulary in 1975, and work is underway on the establishment of a more complete list of specific terms. Each subsequent issue will reflect this work. The *Thesaurus of Agricultural Terms,* published in 1976, reflects all the changes made in the control vocabulary through December 1975.

The last item of each entry in the Subject Index is the six digit *Bibliography of Agriculture* identification number. Use this number to locate the complete main entry citation in the monthly issues.

## AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

| | |
|---|---|
| Microfilms: | $1.00 for each 30 pages or fraction copied from a single article or book |
| Electrostatic Copies: | $1.00 for each 10 pages or fraction copied from a single article or book. |

Payment must accompany the order. Cash, library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photocopying Service.

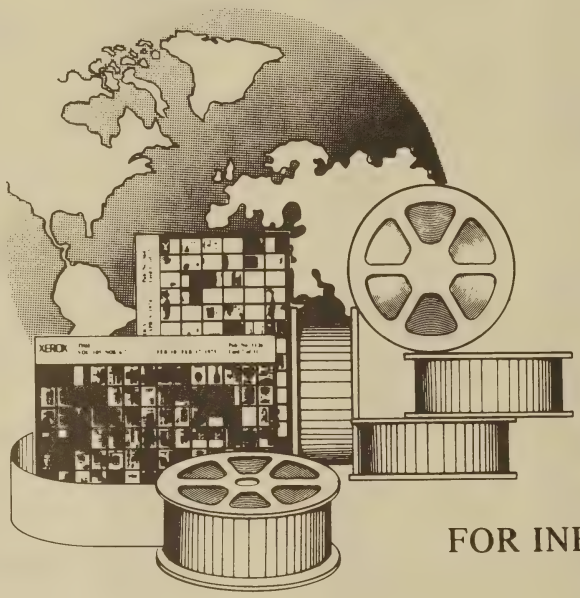
# LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A E Ext Dep Agric Econ N Y State Coll Agric Life Sci Cornell Univ
A E S C Agric Exp Stn
Acad Agric Fr C R Seances
ACE Am Assoc Agric Coll Ed
Act Inst Jordbrukets Utredn
Act Rep Res Dev Assoc
Acta Agron (Budap)
Acta Anat
Acta Arachnol
Acta Biochim Pol
Acta Biol Parana
Acta For Fenn
Acta Genet Sin
Acta Hortic
Acta Hydrobiol
Acta Manila, Ser A Nat Appl Sci
Acta Microbiol
Acta Microbiol Pol
Acta Neurobiol Exp
Acta Parasitol Litu
Acta Physiol Pol
Acta Trop
Acta Univ Agric, Fac Agroecon
Acta Vet Scand
Acta Zool Cracov (Transl)
Acta Zool Pathol Antverp
Actual Biol (Colombia)
ADAS Q Rev G B Agric Dev Advis Serv
ADV Data (Natl Ctr Health Statistics)
Advis Leafl G B Minist Agric Fish Food
AERR Ill Univ Dep Agric Econ
Afinidad
Ag Stat N D Crop Livest Rep Serv
Agrarmarkt-Stud Inst Agrarpolitik Marktlehre Univ Kiel
Agrartechnik
Agrartort Sz
Agrarwirtschaft
Agrekon
Agric Adm
Agric Agroind J
Agric Am (Bogota)
Agric Am (Kans City)
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Eng (St Joseph, Mich)
Agric Enterp Stud Engl Wales Econ Rep
Agric Handb U S Dep Agric
Agric Hong Kong
Agric Inf Bull U S Dep Agric
Agric Mark (Nagpur)
Agric Meteorol
Agric North Irel
Agric Res
Agric Res Rev
Agricultura (Madr)
Agrikultura
Agrochemophysica
Agrohemija
Agrokem Talajtan
Agrokhimiia
Agron J
Aktuel Litinf Obstbau Berlin Tech Univ Bibl
Alimenta
All Gazdasag
Am Bee J
Am Dairy Rev
Am For
Am J Clin Nutr
Am J Diseases Children
Am J Obstet Gynecol
Am J Physiol
Am J Public Health
Am J Vet Res
Am Midl Nat
Am Mus Novit
Am Orchid Soc Bull
Am Potato J
Amer J Clin Nutr
Amis Roses
An Inst Nac Invest Agrar, Ser Prod Anim
Anal Situac Agric Sinaloa Confed Asoc Agric Estado Sinaloa Dep Estud Econ Estad
Angew Parasitol
Anim Behav
Anim Blood Groups Biochem Genet
Anim Breed
Anim Nutr Health
Anim Prod
Ann Agron
Ann Amelior Plant
Ann Bot Fenn
Ann Cent Econ Mont Venezie
Ann Falsif Expert Chim
Ann Hist Nat Mus Natl Hung Termeszettud Muz Evk
Ann Parasitol Hum Comp
Ann Sci Univ Besancon, Ser 3, Bot
Ann Tech Agric
Ann Zool Fenn
Ann Zootech
Annot Bibliogr Commonw Bur Soils (Harpenden)
Annu Conf Manit Agron
Annu Rep North Nut Grow Assoc
Annu Rev Biochem
Annu Rev Bridget's Exp Husb Farm
Anz Schadlingskd Pflanzenschutz Umweltschutz
APHIS-91 U S Anim Plant Health Insp Serv
Appl Biochem Microbiol
Arb Osterreich Kurator Landtech
Arch Biochem Biophys
Arch Exp Veterinarmed
Arch Tierz
Arecanut Spices Bull
ASCS Background Inf BI (Agric Stab Conserv Serv)
Asian Econ Soc Rev
Astarte
Atalanta Norv
Atoll Res Bull
Atti Rend Accad Naz Lincei
Audiovisual Instruction
Aus Walde Mitt Niedersaechs Landesforstverwalt
Ausbild Berat Land Hauswirtsch
Aust Entomol Mag
Aust J Exp Biol Med Sci
Aust Vet J
Australas Beekeep
Bangladesh Dev Stud
Bayer Landwirtsch Jahrb
Bee World
Behav Biol
Behav Processes
Ber Landwirtsch Sonder Ger (Fed Repub) Bundesminist Ernahr Landwirtsch Forsten
Ber Schweiz Bot Ges
Beret Landokonomiske Driftsbur
Beret Statens Forsogsmejeri
Bergland, Bob Selmer (Addresses, Statements, Etc.)
Berichte Landwirtsch Ger (Fed Repub) Bundesminist Ernaehr Landwirtsch Forsten
Beton Landbau
Bibliogr Irrig Drain River Train Flood Control Int Comm Irrig Drain
Biene
Bienenpflege
Bienenvater
Bienenwelt
Biochem J
Biochem Ser One
Biochemistry (Easton)
Biochim Biophys Acta
Biol Nauki
Biol Rundsch
Biol Vestn
Biologia
Biom Praxim
Biotehnika
Birokteren
Biull Vses Nauchno-Issled Inst Kukuruzy
Bl Natursch
Boden Pflanze
Boissiera
Bol Estad Anu Inst For Div Estud Econ
Bol Tec Interam Assoc Agric Libr Doc
Boll Mus Civ Stor Nat Verona
Boll Soc Geogr Ital
Bot Mar
Bot Mus Leafl Harv Univ
Br Food J
Br J Exp Pathol
Br J Nutr
Br Poult Sci
Br Vet J
Bryologist
Bull A Md Agric Exp Stn
Bull Balai Penelitian Perkebunan
Bull Br Arachnol Soc
Bull Calif Dep Water Resour
Bull Chem Soc (Belgr)
Bull Fac Agric Hirosaki Univ
Bull Fonds Rech For Univ Laval
Bull Hokuriku Natl Agric Exp Stn
Bull Int Atomic Energy Agency
Bull Kans Agric Exp Stn
Bull Mass Agric Exp Stn
Bull Mens Soc Linn Lyon
Bull Mus Natl Hist Nat Ser 3 Ecol Gen
Bull N C Agric Exp Stn
Bull N Z Iris Soc
Bull OEPP (Organ Eur Mediterr Prot Plant)
Bull Off Int Epizoot
Bull Pac Trop Bot Gard
Bull Soc Bot Fr
Bull Soc Linn Normandie
Bull Soc R For Belg
Bull Soc Sci Vet Med Comp Lyon
Bull Tech Dep Genet Anim Inst Natl Rech Agron Paris
Bull Tex Agric Exp Stn
Bull Tohoku Natl Agric Exp Stn
Bull Torrey Bot Club
Bull Univ Maine Orono Life Sci Agric Exp Stn
Bull Univ R I Agric Exp Stn
Bull Va Water Resour Res Cent Va Polytech Inst State Univ
Bull Wash State Univ Coll Agric Res Cent
Bull West Aust For Dep
Bull World Health Organ
Bull Zool Mus Univ Van Amst
Bull Zool Nomencl
Buvar
C R Acad Bulg Sci
C R Hebd Seances Acad Sci, Ser D Sci Nat
C T R L Publ New Ser (Cotton Technol Res Lab)
Cac Suc J
Cah Stat Agric Serv Cent Enquetes Etud Stat
Cajanus
Calif Agric
Calif Fish Game
Can Entomol
Can Home Econ J
Can J Biochem
Can J Econ
Can J Public Health
Can J Zool
Can Wood Prod
Cane Grow Bull
Caryologia
Cas Morav Mus Vedy Prir
Cas Slezskeho Mus Acta Mus Silesiae Ser A Sci Nat
Cell Immunol
Cell Tissue Res
Centralbl Gesamte Forstwes
Ceylon J Sci, Biol Sci
CFTRI Bibliogr Ser Cent Food Technol Res Inst
Chem Age India
Chem Ind Soc Chem Ind
Chesapeake Sci
Children Today
Chinchilla-Zucht
Chromosoma
Chron Hortic
Cienc Cult Soc Bras Para Progr Cienc
Circ Can Seed Grow Assoc
Circ Clemson Univ Ext Serv
Circ Coop Ext Ser Univ Ga Coll Agric
Circ Empresa Bras Pesq Agropecu
Clin Pediatrics
CNI Weekly Rep
Coconut Bull
Collect Czech Chem Commun
Comm Bull N S W Dep Agric Div Mark Econ
Commun Soil Sci Plant Anal
Communes For Fr
Comp Anim Nutr
Comp Physiol Ecol
Confructa
Coop Ext Pub La State Univ Agric Mech Coll Coop Ext Serv
Cornell Agric Econ Staff Pap
Crop Sci
CSIRO Food Res Q
Ctry Life
Cukoripar
Cultivator
Curr Inf Ser Idaho Univ Coop Ext Serv
Curr Rep W Va Agric For Exp Stn
Cytobios
Czas Geogr
Dairyman (Armadale)
Dan Erhvervsfjerkrae
Dan Veterinaertidsskr
Darb Tr Ser C Ser V Liet TSR Mokslu Akad
Decheniana
Deeds & Data
Differentiation
Dirigente Rural
Doc Vet
Dohanyipar
Dtsch Forstm
Dtsch Molk Ztg
Dtsch Muller Ztg
Dtsch Pelztierz
Dtsch Tierarztebl
E H P (Environ Health Perspect)
ECE/AGRI U N Jt FAO/ECE Agric Div
Ecol Bull Statens Naturvetensk Forsk
Ecol Monogr
Ecol Pinares Esp
Ecol Res Ser
Ecology (Durham)
Econ Bot
Econ Inf Rep Fla Univ Food Resour Econ Dep
Econ Rep Minn Univ Dep Agric Appl Econ
Economist
Edesipar
Egypt J Pharm Sci
Eisenhower Consortium Bull Eisenhower Consortium West Environ For Res
Ekon Poljopr
Elev Insemination
EM Coop Ext Serv Coll Agric Wash State Univ
Entomol News
Environ Child Health
Environ Entomol
Environ Prot Technol Ser EPA
Environ Sci Res
Equine Vet J
Erdeszeti Kut
Erdo
ERS Foreign U S Dep Agric Econ Res Serv
ERS U S Dep Agric Econ Res Serv
Esperienze Ric Nuova Ser Stn Sper Agrar For San Michele All'adige
Eur J Biochem
Euro-Farm Bus
Evk Fajtakiserletezes Fajtaminosites Orsz Mezogazdasagi Fajt
Ext Bull Asian Pac Counc Food Fert Technol Cent
Ext Bull Dep Agric South Aust
Ext Bull Mich State Univ Coop Ext Serv
Ext Serv Rev U S Dep Agric
F S S D State Univ Coop Ext Serv
Fam Health
FAO Commod Rev Outlook Food Agric Organ
Farm Bus Rev
Farm Fact
Farm Front
Farm Lett
Farmers Bull U S Dep Agric
Faun-Okol Mitt
Fed Proc Fed Am Soc Exp Biol
Feed Ind Rev
Feedlot Manage
Feedstuffs

Feld Wald Wasser Schweiz Jagdztg
Fermes Mod
Financ Agric
Fisheries
Fleisch
Flora Iran
Focus Tech Coop
Folia Biol (Krakow)
Folia For
Folia Histochem Cytochem
Food and Nutr News
Food Eng
Food Eng Syst
Food Farming Agric
Food Home Notes
Food Irradiat Inf
Food Management
Food Nutr
Food Nutr Notes Rev
Food Prod Dev
Food Serv Mark
Food Technol Aust
For Insect Dis Leafl U S Dep Agric For Serv
For Prod J
For Prot Handb Ser
For Sci
For Sci Monogr
Forderungsdienst
Foreign Agric Circ Dairy FD U S Foreign Agric Serv
Foreign Agric Trade U S Dep Agric Econ Res Serv
Foreign Agric U S Foreign Agric Serv
Forpride Dig
Forsch Sitzungsber Akad Raumforsch Landespl
Forschungsber Forstl Forschungsanst Munchen
Forsk Prakt
Forstarchiv
Forsttech Inf
Fortschr Lebensm
Fortschr Veterinarmed
G Allevatori
Ga Agric Res
Gabonaipar
Garden
Gart Kleintierzucht, C Imker
Gart Landschaft
Gartenpraxis
Gartner Berufsprax
Gaz Apic
Gegenbaurs Morphol Jahrb
Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv
Genetics
Geogr Rev
Gestencild Versl Lab Tuinbouwplantenteelt Landbouwhogesch (Wageningen)
Glean Bee Cult
Grana
Great Basin Nat
Grounds Maint
Grundforbattring
Grundlagen Landtech
Gulf Coast Cattlem
Helgolander Wiss Meeresunters
Hidrol Kozl
Hist Med Vet
Histochem J
Holzforsch Holzverwert
Holzforschung
Holztechnologie
Home Gard Bull U S Dep Agric
Hortic News (N J State Hortic Soc)
Hospitals
Hung Agric Rev
Hutoipar
Hydrobiologia
Im Blickfeld
Immunol Rev
In Alimentation et Travail, Deuxieme Symposium International, May 15-17, 1974, A Vittel (France)
In Arid Zone Development: Potentialities and Problems; Proceedings of a Symposium
In Chemical Signals in Vertebrates; Proceedings of a Symposium
In Gribnye i virusnye bolezni sel'skokhoziaistvennykh kul'tur Moldavii. I. S. Popushoi and others, eds.
In La Sharka: Maladie a Virus des Arbres Fruitiers a Noyau
In Livestock Production in Asian Context of Agricultural Diversification; Papers from the Symposium
In Metody otsenki ustoichivosti rastenii k neblagopriiatnym Usloviiam sredy. G. V. Udovenko, ed.
In Papers of Conference on Coastal Meteorology
In Pollination of Entomophilous Agricultural Crops by Bees. R. B. Kozin, ed.
In Proceedings of the World Veterinary Congress
In Protecting the Consumer Interest; Private Initiative and Public Response. R N Katz, ed.
In Reclamation and Use of Disturbed Land in the Southwest. J. L. Thames, ed.
In Regulation of Cell Membrane Activities in Plants; Proceedings of the International Workshop
In RNA Polymerase. R. Losick & M. Chamberlin, eds.
In Seminar on Porcine Immunology; Proceedings
In Seminar on Studies on Virus Replication; Proceedings
In Some Aspects of Botanical Research in the Estonian SSR
In Southern Pine Beetle Symposium
In Symposium on Multi-Purpose Logging Machines
In Terrestrial Vegetation of California. M. G. Barbour & J. Major, eds.
In Vertitsilleznyi vilt kul'turnykh rastenii Moldavii; I. S. Popushoi and others, eds.
In Vitro J Tissue Cult Assoc
Ind Aliment Agric
Indian Food Pack
Indian J Agric Res
Indian J Agric Sci
Indian J Anim Res
Indian J Anim Sci
Indian J Power River Val Dev
Indian J Technol
Indian J Weed Sci
Indian Poult Gaz
Indian Poult Rev
Indian Silk
Indian Tob Bull
Inf Agric (Luxemb)
Inf Bull U S Bur Land Manage
Inf Chim
Inf Ser Bull N Z Dep Sci Ind Res
Inf Tec Inst For (Santiago)
Infect Immun
Instit/vol Feeding
Int J Agrar Aff
Int J Zoonoses
Int Rev Gesamten Hydrobiol
Irish Nat J
Irrigazione
Isr J Earth Sci
Isr J Zool
Izv Akad Nauk Gruz SSR Ser Biol Kaia Proc Acad Sci Georgian SSR Biol Ser
Izv Akad Nauk SSSR, Ser Biol
J Agric Food Chem
J Agric (Melb)
J Agric Sci (Camb)
J Agric West Aust
J Ala Acad Sci
J Am Anim Hosp Assoc
J Am Chem Soc
J Am Diet Assoc
J Am Indian Ed
J Am Oil Chem Soc
J Am Vet Med Assoc
J Appl Nutr
J Arachnol
J Biochem (Tokyo)
J Biol Chem
J Bromeli Soc
J Can Diet Assoc
J Chem Soc, Perkin Trans I
J Chin Soc Anim Sci
J Coffee Res
J Dairy Sci
J East Afr Nat Hist Soc Nat Mus
J Elisha Mitchell Sci Soc
J Exp Bot
J Ext
J Food Protection
J Food Sci
J Food Sci Tech
J For
J For Hist
J Genet
J Hered
J Hum Nutr
J Hyg
J Indian Chem Soc
J Infect Dis
J Jap Soc Hortic Sci
J Jpn Soc Grassl Sci
J Membr Biol
J Minn Acad Sci
J Mol Biol
J Nat Hist
J Natl Assoc Coll Teach Agric
J Nutr
J Org Chem
J Pediatrics
J Phycol
J Physiol
J Range Manage
J Res Haryana Agric Univ
J Res U S Geol Surv
J Small Anim Pract
J Soc Agric Mach Jap
J Soc Dairy Technol
J Suisse Apicul
J Taiwan Livest Res
J Vet Med Educ
J Water Pollut Control Fed
J Zoo Anim Med
Jaarb Karakul Breeders Soc S Afr
Jahresber Staatsinst Angew Bot
Jahresh Ges Naturkd Wurttemb
Jarmuvek, Mezogazd Gepek
Journal of Human Nutrition
Kartoffelbau
Kenkyu Hokoku Hokkaido-Ritsu Rinsan Shikenjo
Kert Egy Kozl Kert Egy
Keszthelyi Mezogazdasagtud Kozl Agrartud Egy Keszthely
Khim Drev
Kholod Tekh
Kistenyesztok Lapja
Korean J Plant Prot
Kulturpflanze
La Vie Agric Meuse
Lab Anim
Lab Anim Sci
Lab Invest
Lalahan Zootek Arastirma Enst Derg
Lancet
Land Hauswirtsch Auswert Informationd
Landbouwkd Tijdschr
Landbrukstidende
Landscape Plann
Landtechnik
Landwirtsch Forsch
Landwirtsch Forsch Sonderh
Landwirtsch-Angew Wiss Bundesminist Ernahr Landwirtsch Forsten Ger (Fed Repub)
Lantbrukshogsk Medd, B (Upps)
Lantbrukshogsk Medd, Ser A
Lantbruksstyr LBS Medd Swed
Laporan Rep Lembaga Penelitian Hasil Hutan
Latte
Leafl Coop Ext Serv Univ Arkansas Div Agric
Leafl Coop Ext Serv Univ Ga Coll Agric
Leafl G B For Comm
Leafl U S Dep Agric
League Int Food Educ
Lejeunia Rev Bot
Lesn Cas
Lesn Khoz
Lesn Prom-st
Lesovedenie
Lesovod Agrolesomelior
Life Sci
Lindane Suppl
Livest Advis
Locusta
Lohnunterne Land Forstwirtsch
Luonnon Tutkija
Macaroni J
Maelkeritidende
Magy Allatvilaga
Magy Kem Lapja
Marcellia
Mater Org
McIlvainea
Medd Statens Forsogsvirksomhed Plantekult
Meded Landbouwhogesch Wageningen
Meded Wageningen Landbouwhogesch Lab Phytopathol
Media & Methods
Meheszet
Melanderia
Meld Landbruksteknisk Inst
Meld Nor Landbrukshogsk
Mem Lyman Entomol Mus Res Lab
Mem Soc Hist Nat Afr Nord
Metab Clin Exp
Mezogazd Elelmiszeripari Konyvtar Tayikoztat
Mezogazd Tech
Mich Farm Econ
Microbiol Ser
Microbios Lett
Micronesica
Mikrokosmos
Mikroskopie
Misc Publ Okla Agric Exp Stn
Misc Publ U S Dep Agric
Misc Rep Cent Overseas Pest Res
Mitt Eidg Anst Forstl Versuchswes
Mitt Forstl Bundes-Versuchsanst Wien
Mitt Fr Geogr Ges
Mitt Naturwiss Ges Winterthur
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Nachr Akad Wiss Gottingen
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Nat Mus
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PA U S Dep Agric
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Plant Dis Bull N S W Dep Agric Biol Branch
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Plant Med
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PM Iowa State Univ Sci Technol Ames Coop Ext Serv
Pollen Spores
Postepy Drobiarstwa Cent Osrodek Badaw-Rozwojowy Drobiarstwa
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SPC Inf Doc (South Pac Comm)
Spec Publ Coll Agric Univ Ill
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Tud Mezogazd
Turkeys Br Turk Fed
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TVS Veg Situation Econ Res Serv U S Dep Agric
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VAE (Va Agric Econ)
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VDL Nachrichten Verb Dtsch Akad Landwirtsch Ernahrung Landespflege
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## TAXONOMIC ENTOMOLOGY

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QH345.A1P73

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QH345.A1P73

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QH540.E32

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QH540.E32

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FARM EQUIPMENT ..... 114450 – 114564
SOIL SCIENCE ..... 114565 – 114851
SOIL IMPROVEMENT MATERIALS ..... 114852 – 115056
SOIL RESOURCES AND MANAGEMENT ..... 115057 – 115155
WATER RESOURCES AND MANAGEMENT ..... 115156 – 115357
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# INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

## CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation and Lockheed Information Systems.

Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles that would not otherwise be indexed in the *Bibliography of Agriculture* might be included for USDA authored, sponsored, or published materials.

The Bibliography is now divided into ten sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

## MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

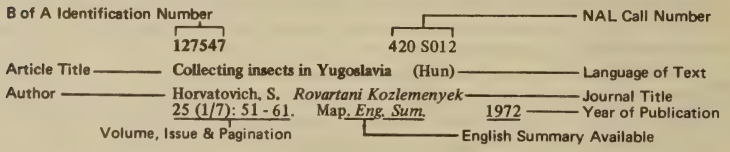
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

| | | | | | |
|---|---|---|---|---|---|
| (Afr) | Afrikaans | (Geo) | Georgian | (Pol) | Polish |
| (Alb) | Albanian | (Ger) | German | (Por) | Portuguese |
| (Arm) | Armenian | (Gre) | Greek | (Rum) | Rumanian |
| (Aze) | Azerbaijani | (Heb) | Hebrew | (Rus) | Russian |
| (Bel) | Belorussian | (Hun) | Hungarian | (Scc) | Serbo-Croatian (Cyrillic) |
| (Bul) | Bulgarian | (Ice) | Icelandic | | |
| (Bur) | Burmese | (Ind) | Indonesian | (Scr) | Serbo-Croatian (Roman) |
| (Chi) | Chinese | (Ita) | Italian | | |
| (Cze) | Czech | (Jpn) | Japanese | (Slo) | Slovak |
| (Dan) | Danish | (Kor) | Korean | (Slv) | Slovenian |
| (Dut) | Dutch | (Lat) | Latin | (Spa) | Spanish |
| (Est) | Estonian | (Lav) | Latvian | (Swe) | Swedish |
| (Fin) | Finnish | (Lit) | Lithuanian | (Tha) | Thai |
| (Fle) | Flemish | (Mac) | Macedonian | (Tur) | Turkish |
| (Fre) | French | (Nor) | Norwegian | (Ukr) | Ukrainian |

In order to identify bibliographic elements within each main entry, note the following:




## MAIN ENTRY SUB-SECTIONS

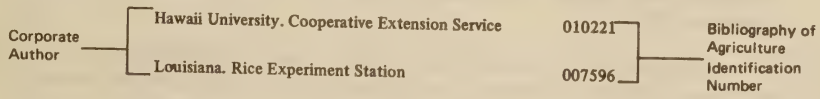
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in The Main Entry Section as well as in the sub-sections.

## GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

## CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.




## AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.




## SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan his search in terms of the most specific natural language term prior to searching under a scientific term. However, note that the vocabulary is an open ended one and new terms are added each month. Undoubtedly readers will be more keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 25,000 terms. The file is organized so that in most cases synonymous terms are grouped together under a single subject heading. Thus singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based, appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in bold face type. The alphabetic sequence is by the secondary (bold face) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

**CHEESES**
Production and sale of *Gorgonzola* **cheese** [Prices, trade, productive capacity]. 227693
The **cheese** *industry*. 227819
Information for the consumer and advertising abroad of typical *Italian* **cheeses** [Prices]. 227689
Not enough to produce—Sale of *Italian* **cheeses** urgency of modern forms and efficient structures [Prices, trade].

Many general terms were deleted from the control vocabulary in 1975, and work is underway on the establishment of a more complete list of specific terms. Each subsequent issue will reflect this work. The *Thesaurus of Agricultural Terms*, published in 1976, reflects all the changes made in the control vocabulary through December 1975.

The last item of each entry in the Subject Index is the six digit *Bibliography of Agriculture* identification number. Use this number to locate the complete main entry citation in the monthly issues.

## AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

| | |
|---|---|
| Microfilms: | $1.00 for each 30 pages or fraction copied from a single article or book |
| Electrostatic Copies: | $1.00 for each 10 pages or fraction copied from a single article or book. |

Payment must accompany the order. Cash, library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photocopying Service.

# LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A E Ext Dep Agric Econ N Y State Coll Agric Life Sci Cornell Univ
A E Okla State Univ Dep Agric Econ
AALDI Bull (Assoc Agric Libr Doc India)
Abeille Fr Apicul
Abeilles & Fleurs
Abelhas
Acad Agric Fr C R Seances
Accepted Meat Poult Equip U S Anim Plant Health Insp Serv Meat Poult Insp Program
ACE Am Assoc Agric Coll Ed
Acta Agron (Budap)
Acta Anat
Acta Bot Indica
Acta Endocrinol
Acta Hortic
Acta Microbiol Virol Immunol
Acta Neurobiol Exp
Acta Parasitol Pol
Acta Physiol Lat Am
Acta Phytotaxon Barcinonensia Barc Univ Dep Bot
Acta Vet Scand
Actual Biol (Colombia)
Actuel Dev
ADV Data (Natl Ctr Health Statistics)
Advis Leafl G B Minist Agric Fish Food
AEN Dep Agric Eng Univ Ky Coop Ext Serv
Afr Violet Mag
AG N C State Univ Agric Ext Serv
AGR Ky Univ Dep Agron
Agrarmarkt-Stud Inst Agrarpolitik Marktlehre Univ Kiel
Agric Bull Alberta Univ Coll Agric
Agric Costarric
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Econ Res
Agric Eng Rep Melborne Univ Dep Civ Eng
Agric Eng (St Joseph, Mich)
Agric Enterp Stud Engl Wales Econ Rep
Agric Ext Serv Univ Minn Spec Rep
Agric Gaz N S W
Agric Handb U S Dep Agric
Agric Hong Kong
Agric Inf Bull U S Dep Agric
Agric Libr Inf Notes
Agric Merch
Agric Res J Kerala
Agric Res Organ Div For Ilanot
Agric Res Rev
Agric Sao Paulo Inf Econ
Agric Syst
Agric Water Manage
Agricultura (Louvain)
Agroanimalia
Agro-Ecosystems (Amsterdam)
Agro-Ekon
Agron Res Rep La State Univ Agric Mech Coll Dep Agron
Agronomia (Guatem)
AID Publ U S Agency Int Dev
Aktuel Beitr Staats Rechtswiss Dtsch Akad Staats Rechtswiss Walter Ulbricht
Ala For Prod
ALI Am Assoc Nurserymen
Allg Forstz
Am Bee J
Am Dairy Rev
Am J Bot
Am J Clin Nutr
Am J Diseases Children
Am J Obstet Gynecol
Am J Public Health
Am J Sci
Am J Vet Res
Am Orchid Soc Bull
Am Potato J
Am Sci
Am Veg Grow
Amer J Clin Nutr
Amis Roses
An Acad Bras Cienc
An Edafol Agrobiol
An Inst Nac Invest Agrar Ser Hig Sanid Anim
An Rech For Maroc Stn Rech For Rabat
An Soc Entomol Bras
Angew Chem
Angew Chem Int Ed Engl
Ann Arid Zone Arid Zone Res Assoc India
Ann Bot
Ann Cent Econ Mont Venezie
Ann Chim (Rome)
Ann Entomol Soc Am
Ann Fac Agrar (Bari)
Ann Mo Bot Gard
Ann Naturhist Mus Wien
Ann Occup Hyg
Ann Res Rep Red River Valley Agric Exp Stn La
Ann Sci For
Ann Tech Agric
Ann Turin Univ Fac Med Vet
Annee Biol
Annot Bibl Commonw Bur Agric Econ
Annu Rep Carnegie Inst Wash Dep Plant Biol
Annu Rep Int Inst Land Reclam Improv
Annu Rep Radiobiol Lab (Univ Calif Davis)
Anregungen Prod Absatz
Anz Schadlingskd Pflanzenschutz Umweltschutz
APE, Riv Svizz Apic
Apic Mod
Apicultura
Appl Anim Ethology
Appl Biochem Microbiol
Aquat Bot
Arable Farming
Arb DLG (Dtsch Landwirtsch Ges)
Arbor
Arch Inst Pasteur Tunis
Arch Int Physiol Biochem
Arch Toxikol
Arch Virol
ARDC News Agric Refinance Dev Corp
Ariz Thoroughbred
Arkady Rev
Arkansas Agric Econ
Arkansas Cattle Bus
Arkansas Farm Res
Arnoldia
ARS-NC U S Agric Res Serv North Cent Reg
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
ARS-W U S Agric Res Serv West Reg
ASC Ky Univ Dep Anim Sci
Astra Protein Letter
Atherosclerosis
Atlas Florae Eur Distrib Vasc Plants Eur
Auburn Vet
Aust For Ind J
Aust J Chem
Aust J Ecol
Aust J Mar Freshwater Res
Aust J Zool Suppl Ser
Aust Vet J
Aust Vet Pract
Australas Beekeep
B Nev Agric Exp Stn
Bangladesh Dev Stud
Beitr Entomol
Beitr Kryptogamenflora Schweiz
Belg Apic
Belle Glade AREC Res Rep EV Univ Fla (Agric Res Educ Cent)
Belmontia New Ser
Berita Selulosa
Beszam Rep Viszazdalkod Tud Kut Intez
Beton Landbau
Bibliogr Ser Inst Pap Chem
Biene
Bienenwelt
Bienn Program Grain Sorghum Res Util Conf
Bil Arsberet
Biochem J
Biol Cell
Biol J Linn Soc
Biol Kinetoplastida
Biol Pr
Biol Reprod
Biol Skr K Dan Vidensk Selsk
Biologia, Ser A Bot
Biologia Ser C Vseobecna Biol
Biom Praxim
Bioorg Chem
Biophys
BIOS
BioScience Am Inst Biol Sci
Biotropica
Biul Inst Ochr Rosl (Poznan)
Bol Assoc Bras Pesqui Plant Aromat Oleas Essenciais
Bol Chil Parasitol Chile Dep Parasitol
Bol Invest Inst Colomb Agropecu
Bol Serv Def Contra Plagas Inspeccion Fitopatol Spain
Boliettino Meteorol Idrol Agrar Inst Sper Nutr Piante Stn Rilevamento Citta Castello
Boll Chim Farm
Bonn Zool Beitr
Borgazdasag
Bot J Linn Soc
Bot Not
Bot Zh
Botyu Kagaku
Br J Nutr
Br Vet J
Branntweinwirtschaft
Bras Flores
Brauwelt
Brauwissenschaft
Brenesia
Brittonia
Bulg Tiutiun
Bull A Md Agric Exp Stn
Bull Agric Exp Stn Auburn Univ
Bull Agric Exp Stn Div Agric Univ Arkansas
Bull Am Meteorol Soc
Bull Bimest INACOL (Inst Natl Amelior Conserves Legumes)
Bull Biol Fr Belg
Bull Br Arachnol Soc
Bull Br Mus Nat Hist Bot
Bull Br Mus Nat Hist Entomol
Bull Br Mycol Soc
Bull CETIOM (Cent Tech Interprof Ol Metrop)
Bull Conn Univ Coop Ext Serv
Bull Coop Ext Serv Univ Ga Coll Agric
Bull Div Agric Sci Univ Calif Berkeley
Bull East Scotl Coll Agric
Bull Entomol Res
Bull Environ Contam Toxicol
Bull Fac Agric Shimane Univ
Bull Fed Int Econ Familiale
Bull G B Minist Agric Fish Food
Bull Gard Club Am
Bull Grain Technol
Bull Groupe Etud Rythmes Biol
Bull Idaho Agric Exp Stn Univ Idaho Coll Agric
Bull Indones Econ Stud
Bull Inf Rizic Fr
Bull Inst Int Froid
Bull Int Assoc Sci Hydrol
Bull Landbouwproefstn Suriname
Bull Md Dept Agric Div Insp Regul
Bull Mie Univ For Tsu Jap
Bull Miss Agric For Exp Stn
Bull Mont Agric Exp Stn
Bull Mus Natl Hist Nat Ser 3 Zool
Bull N M Agric Exp Stn
Bull North Scotl Coll Agric
Bull Off Int Epizoot
Bull R Bot Gard Syd
Bull Sci Nat Srp Akad Nauka Umet Od Prir-Mat Nauka
Bull Soc Pathol Exot Ses Fil
Bull SROP Int Organ Biol Control Noxious Anim Plants West Palearctic Reg Sec
Bull Tech Genie Rural Cent Tech Genie Rural Forets
Bull Tech Inf Minist Agric (Paris)
Bull Tex Agric Exp Stn
Bull Tohoku Natl Agric Exp Stn
Bull Trimest Acad Soc Lorraines Sci
Bull United Plant Assoc South India Tea Sci Dep
Bull Va Polytech Inst State Univ Wood Res Wood Constr Lab
Bull Va Water Resour Res Cent Va Polytech Inst State Univ
Bull West Va Agric For Exp Stn
Bull World Health Organ
Bull Wyo Univ Agric Ext Serv
Bureaucrat
C R Acad Bulg Sci
C R Hebd Seances Acad Sci, Ser D Sci Nat
C R Mens Seances Acad Sci
C T R L Publ New Ser (Cotton Technol Res Lab)
Cah Cent Tech Du Bois
Cah Micropaleontol
Cah Nat
Calif Farmer (Cent Ed)
Can Beekeep
Can Entomol
Can Field Nat
Can For Ind
Can Fruitgrower
Can J Anim Sci
Can J Biochem
Can J Bot
Can J Chem
Can J Comp Med
Can J For Res
Can J Microbiol
Can J Physiol Pharmacol
Can J Plant Sci
Can J Zool
Can Plant Dis Surv Can Dep Agric Res Branch
Cane Grow Bull
Carbohydr Res
Carte Pedol Fr Moy Echelle Publ
Caryologia
Cashew News Teller
Cell Differ
Cell Struct Funct
Cellul Chem Technol
Centralbl Gesamte Forstwes
Cereal Chem
Cereal Res Commun
Cerevisia
Checklist Beetles Can U S Mex Cent Am West Indies
Chem Biol Interactions
Chem Phys Lipids
Cienc Abejas
Circ Agric Exp Stn Auburn Univ
Circ Clemson Univ Ext Serv
Circ Empresa Bras Pesq Agropecu
Circ Ill Univ Coop Ext Serv
Circ Shock
Circ W Va Univ Coop Ext Serv
Circ Wash (State) Agric Exp Stn
Clin Pediatrics
CNI Weekly Rep
Coedwigwr
Colet Inst Tecnol Aliment
Coll Leafl North Scotl Coll Agric
Collect Ecol
Commonw For Rev
Commun Stat Theory Methods
Communautes Arch Int Sociol Coop Dev
Comp Anim Nutr
Compost Sci
Comun Bot Mus Hist Nat
Confect Prod
Connaiss Vigne Vin
Conserv Res Rep U S Dep Agric For Serv
Consumer Reports
Contemporary Nutr
Control Ser Va Polytech Inst State Univ Ext Div Coop Ext Serv
Cooking for Profit
Cortica Bol Inst Prod Florestais
Coton Fibres Trop
Cotton Dev
Cotton Ginnings U S Crop U S Bur Census
Cotton Leafl Clemson Univ Ext Serv
Cotton Wool Situat CWS U.S. Dep Agric Econ Res Serv Comm Econ Div
Countryside
Courr Norm
CRC Crit Rev Clin Lab Sci

CRC Crit Rev Microbiol (Chem Rubber Co)
CRC Crit Rev Toxicol (Chem Rubber Co)
Croat Chem Acta
Crop Bull Can Grain Comm Grain Comm Res Lab (Winnipeg)
Crop Livest Annu Summ Pa Dep Agric Crop Rep Serv
Ctry Gentleman
Ctry Life
Curr Inf Ser Idaho Univ Coop Ext Serv
Curr Sci
Cytobiologie
Cytobios
Dairy Counc Dig
Dairy Farmer Dairy Beef Prod
Dairy Notes Calif Univ Berkeley Coop Ext
Dairy Tales
Dairyman
Dan Geol Unders
Dan Pelsdyravl
Dan Veterinaertidsskr
Davidsonia
Delt Hellen Kteniatr Hetair
Demosta
Dep Tech Rep Tex A & M Univ Dep Agric Econ Rural Soc
Dep Vet Q S Roger Bellon
Desarr Rural Am
Dev Biol Stand
Dev Grow Differ
Dev Psychobiol
Diabetes
Differentiation
Div Soils Tech Pap C S I R O
Doc Int Dairy Fed
Dokl Akad Nauk Uzb SSR
Dtsch Lebensm Rundsch
Dtsch Molk Ztg
Dtsch Muller Ztg
Dtsch Tierarztebl
Earth Surf Processes
Eau Amenagement Reg Provencale
Ecol Res Ser
Econ Agric Farm Manage FM Ill Univ Dep Agric Econ
Econ Hist Rev
Econ Inf Rep Fla Univ Food Resour Econ Dep
Econ Med Anim
Econ Plann
Egypt J Anim Prod
Egypt J Hortic
Elelmez Ipar
Elelmiszerviz Kozl
EM Coop Ext Serv Coll Agric Wash State Univ
Entomol Ber (Amsterdam)
Entomol Exp Appl
Entomol Gaz
Entomol Mon Mag
Entomol Phytopathol Appl Plant Pests Dis Res Inst
Entomol Rec J Var
Entomol Z
Environ Conserv
Environ Geol
Environ Prot Technol Ser EPA
Environ Sci Res
Environ Status Lake Mich Reg
Enzyme
Eos
Equine Vet J
ERFA (Erdogazdasag Faipar)
Ernahr Umsch
Ernahrungswirtschaft
ERS U S Dep Agric Econ Res Serv
ESC U S Fed Ext Ser
Esso Farmer
Estuarine Coastal Mar Sci
Eur J Biochem
Eur Rev Agric Econ
Evol Agric Mens Tec Attual Agric Zootech
Exp Husb
Exp Mol Pathol
Exp Parasitol
Experientia
Explor Econ Hist
Ext Bull Agric Ext Serv Univ Minn
Ext Bull Asian Pac Counc Food Fert Technol Cent
Ext Bull Md Univ Coop Ext Serv
Ext Bull Mich State Univ Coop Ext Serv
Ext Bull Oreg State Univ Ext Serv
Ext Bull Wash State Univ Coop Ext Serv
Ext Circ Arkansas Univ Agric Ext Serv
Ext Circ Oreg State Univ Ext Serv
Ext Fol Agric Ext Serv Univ Minn
Ext Leafl L Ohio State Univ Ext Serv
Ext Publ AG N C State Univ Agric Ext Serv
Ext Serv Rev Coop Ext Serv
F A V Rev Fac Agron Vet
F I I R O Technol Inf Bull Ind (Fed Inst Ind Res Oshodi)
F. O. Licht's Int Sugar Rep
F S S D State Univ Coop Ext Serv
Fact Sheet Oreg State Univ Ext Serv
Farm Bus Summ Cent Iowa Iowa State Univ Sci Technol Ames Coop Ext Serv
Farm Bus Summ South Cent Iowa Iowa State Univ Sci Technol Ames Coop Ext Serv
Farm Econ Facts Opin Ill Univ Dep Agric Econ
Farm Fact
Farm Policy
Farmakol Toksikol
Faserforsch Textiltech
FAS-M U S Foreign Agric Serv
Fauna Fenn Soc Fauna Flora Fenn
Fauna SSSR Pereponchatokrylye
Faunistische Abh
FCS Inf
FDA Consumer
Feed Ind Rev
Feedstuffs
Fette Seifen Anstrichm
Financ Rep North Scotl Coll Agric Agric Econ Div
Fire-Cured Dark Air-Cured Tob Mark Rev U S Consum Mark Serv Tob Div
Fitopatologia
Fitoterapia
Fjaderfa
Fjorfe
Fla Entomol
Fla Flower Grow
Flora Morphol Geobot Oekophysiol
Floresta (Curitiba)
Flussiges Obst
Focus Tech Coop
Folia Biol (Praha)
Folia Geobot Phytotaxon
Foll Divulg Inst Nac Invest Agric (Mex)
Food and Nutr News
Food Eng
Food Home Notes
Food Ind S Afr
Food Management
Food Manuf
Food Nutr
Food Nutr Notes Rev
Food Process Ind
Food Prod Dev
Food Prod Formul
Food Serv Mark
Food Technol
Food Technol Aust
Food Technol Rev
For Chron
For Insect Dis Leafl U S Dep Agric For Serv
For Manage Bull
For Prod J
For Serv Res Pap ITF Inst Trop For For Serv U S Dep Agric
Foreign Agric Circ FLM U S Foreign Agric Serv
Foreign Agric Circ FOP U S Foreign Agric Serv
Foreign Agric Circ Fresh Processed Veg FVEG U S Foreign Agric Serv
Foreign Agric Circ Hops FH U S Foreign Agric Serv
Foreign Agric Circ Livest Meat FLM MT U S Foreign Agric Serv
Foreign Agric Trade U S Dep Agric Econ Res Serv
Foreign Agric U S Foreign Agric Serv
Foreign Trade
Forestry
Foret Conserv
Forsk Prakt
Forstwiss Centralbl
Fortschritte Pflanzenzuchtung
Fortschrittsber Landwirtsch Nahrungsguterwirtsch
Fox For Notes
Fragm Faun Pol Akad Nauk Inst Zool
Fresenius Z Anal Chem
Freshwater Biol
Fruit Sci Rep
Fruits & Abeilles
Futurist
Ga Vet
Ganado Porcino
Gard Bull Singapore
Gartenbau Weinwirtschaft III Weinwirtschaft Ger (Fed Repub) Stat Bundesamt
Gartneryrket
Gaz Chim Ital
Gazdalkodas
Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv
Genet And Plant Breed
Genetics
Geoderma
Geol Surv Bull
Geophytology
Gestencild Versl Lab Tuinbouwplantenteelt Landbouwhogesch (Wageningen)
Giessen Schriftenr Tierz Haustiergenet
Good Packag
Grain Farm Serv Cent
Grasas Aceites
Hajtatas Korai Termesztes Kert Egy Zoldsegtermesztesi Tansz
Handb Pflanzenanat
Helv Chim Acta
Heredity
Hidrol Kozl
Hilgardia
Hist Med Vet
Histochemistry
Ho Dep Hortic Univ Ky Coll Agric Coop Ext Serv
Hoards Dairym
Hoehnea
Holzindustrie
Home Econ Res J
Home Gard Bull U S Dep Agric
Home Gard Veg Ser Hawaii Univ Coop Ext Serv
Hommes Terre Eaux
Horm Cell Regul
Hortic Rev Commonw Bur Hortic Plant Crops
Hospitals
Hydrobiol Bull
I C A R Tech Bull (Indian Counc Agric Res)
I P E F (Inst Pesqui Estud Florestais)
IAWA Bull (Int Assoc Wood Anat)
Idaho Woodland Farmer
Idojaras
Iheringia Zool
Ikon Misul
Imkerfreund
Immunochemistry
In Air Pollution from Pesticides and Agricultural Processes. R. E. Lee, Jr., ed.
In Apomiksis i ego ispol'zovanie v selektsii. D. F. Petrov, Ed.
In Application of Calorimetry in Life Sciences; Proceedings Of the International Conference
In Bericht uber die AID-Tagungen die Freizeitreiterei und ihre bedeutung fur die Landwirtschaft
In Biologiia i selektsiia iabloni. S. I. Isaev, ed.
In Bovine Brucellosis; An International Symposium
In Chemistry of Marine Sediments. T. F. Yen, ed.
In Chlorophyll-Proteins, Reaction Centers, and Photosynthetic Membranes; Report of Symposium
In Consumerism, a New Force in Society. M. G. Jones and D. M. Gardner, eds.
In Contro su le colture protette nell'attuale situazione energetica
In Corn Production Symposium; Proceedings
In Ecosystem Modeling in Theory and Practice. C. A. S. Hall & J. W. Day, Jr. eds.
In Ekologicheskie i fiziologo-biokhimicheskie issledovaniia Rastenii i zhivotnykh. M. N. Lozan, ed.
In Erodirovannye pochvy Sibiri i puti povysheniia ikh Proizvoditel'nosti. R. V. Kovalev, ed.
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Ind Aliment Agric
Ind Cotonn Fr
Ind Obst Gemuseverwert
Ind Saccarif Ital
Index Cat Med Vet Zool U S Agric Res Serv Anim Dis Parasite Res Div
Indian Agric
Indian Farming
Indian For
Indian For Leafl (New Ser)
Indian J Agric Econ
Indian J Agric Sci
Indian J Anim Sci
Indian J Biochem Biophys
Indian J Ecol
Indian J Ext Educ
Indian J Mycol Plant Pathol
Indian J Nutr Diet
Indian J Pharm
Indian Vet J
Inf Agropecu Conjuntura Estat Empresa Pesqui Agropecu Minas Gerais
Inf Fitopatol
Inf Rep DPC-X Dep Environ Can For Serv
Inf Rep VP-X West For Prod Lab Vancouver

Inf Ser Bull N Z Dep Sci Ind Res
Inf Sheet Coop Ext Serv Miss State Univ
Infect Immun
Inst Nac Tecnol Apropecu Estac Exp Agropecu
Instit Distrib
Instit/vol Feeding
Instrucoes Prat Sao Paulo Braz Secr Agric Coordenadoria Assist Tec Integr
Int Arch Allergy Appl Immunol
Int J Biometeorol
Int J Ecol Environ Sci
Int J Parasitol
Int Rev Gesamten Hydrobiol Inten Agric
Ir J Agric Econ Rural Sociol
Iran J Agric Res
Iran J Plant Pathol
IRAT Inform Inst Rech Agron Trop Cult Vivieres
IRCS J Med Sci (Int Res Commun)
Isr J Entomol
Istanbul Univ Fen Fak Mecm
Istanbul Univ Orman Fak Derg
IUCN Publ New Ser Suppl Pap Int Union Conserv Nat Nat Resour
Izv Akad Nauk Gruz SSR Ser Biol Kaia Proc Acad Sci Georgian SSR Biol Ser
J Aerosol Sci
J Agric Assoc China
J Agric Econ Dev
J Agric (Melb)
J Agric Res China
J Agric West Aust
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J Am Diet Assoc
J Am Oil Chem Soc
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J Hyg
J Immunogenet
J Indian Acad Wood Sci
J Indian Soc Agric Stat
J Inst Brew
J Interdis Cycle Res
J Invertebr Pathol
J Jap For Soc
J Kans Entomol Soc
J Leisure Res
J Mar Res
J Med Entomol
J Membr Biol
J Microsc (Lond)
J Mol Biol
J Mol Catal
J Mol Evol
J N Z Diet Assoc
J Nucl Agric Biol
J Pediatrics
J Physiol
J Res Lepid
J Res Punjab Agric Univ
J S Afr Bot
J Small Anim Pract
J Soil Sci Soc Am
J Stored Prod Res
J Suisse Apicul
J Timber Dev Assoc India
J Toxicol Environ Health
J Trop Geogr
J Turk Phytopathol
J Vet Fac Univ Tehran
J Water Pollut Control Fed
J Zool
Jahresber Dtsch Fischwirtsch
Jahresber Fachhochschule Weihenstephan
Jap J Anim Reprod
Jap J Vet Sci
Jarmuvek, Mezogazd Gepek
JARQ (Jap Agric Res Q)
JNKVV Res J (Jawaharlal Nehru Krishi Vishma Vidyalaya)
Jojoba Happenings
Jute Chron
Kajian Vet
Kalikasan
Kartoffelbau
Kew Bull
Konzerv Paprikaip
Kosmos, Ser A Biol
Kozgazdasagi Sz
Kraftfutter
L Nev Univ Coop Ext Serv
La Agric
Lab Anim
Lab Anim Sci
Lab Invest
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Landbrukstidende
Landendocumentatie K Inst Trop Agrar Onderz
Laporan Lembaga Penelitian Hutan
Latte
Lawn Gard Mark
Leafl Coop Ext Serv Univ Ga Coll Agric
Leafl Irel Dep Agric
Leafl North Irel Advis Serv Dep Agric
Leafl St Barbara Bot Gard
Leafl U S Dep Agric
League Int Food Educ
Lepid Soc News
Livest Fact Sheet Calif Univ Berkeley Agric Ext Serv
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Luonnon Tutkija
M A F E S Res Highlights (Miss Agric For Exp Stn)
Madras Agric J
Mag Univ Nagpur Coll Agric
Malay For
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Manitoba Entomol
Mar Biol
MARDI Res Bull (Malays Agric Res Dev Inst)
Mark Bull U S Dep Agric
Mark Res Rep U S Dep Agric
Mauri Ora
MB Va Polytech Inst State Univ Coop Ext Serv
Md Poultryman
Mech Leafl Minist Agric Fish Food Agric Dev Advis Serv
Med World News
Medd Statens Forsogsvirksomhed Plantekult
Meded Landbouw-Econ Inst
Meded Landbouwhogesch Wageningen
Meheszet
Meieriposten
Meld Nor Landbrukshogsk
Melissa
Mem Entomol Soc Can
Merkbl Biol Bundesanst Land Forstwirtsch
Mesopotam J Agric
Metab Clin Exp
Methodensamml Ruckstandsanal Pflanzenschutzmitteln
Methods Cell Biol
Mezogazd Tech
Mezogazd Vilagirodalom
Mich Nat Resour
Microbia
Microbiology (Wash, D C)
Milchstat Schweiz Schweiz Bauernsekr
Mimeogr Ser Univ Arkansas Agric Exp Stn
Minn Dairyman
Misc Fund Miguel Lillo
Misc Publ Hawaii Univ Coop Ext Serv
Misc Publ Md Agric Exp Stn
Misc Publ U S Dep Agric
Mitt Obstbauversuchring Jork
Mitt Schweiz Landwirtsch
Mod Dairy
Mol Biol (New York)
Mol Gen Genet (MGG)
Mondo Latte
Monogr Bot
Monogr Can Dep Agric
Monogr Fauny Pol
Monogr Ned Entomol Ver
Mosq News
Moths Am North Mex
Mushroom J
Mutat Res
Mycol Pap Commonw Mycol Inst
N D Farm Res N D Agric Exp Stn
N Z J Agric
N Z J Zool
Na Okika O Hawaii (Hawaii Orchid J)
Nat & Resour
Nat Malays
Nature
Navodila Kmetijski Inst Slov
Nematologica
Nepalese J Agric
Neth Milk Dairy J
Neue Bienenzucht
New Bot
New Engl J Med
New Guinea Res Bull
New Phytol
New Sci (London)
Newsl Common Agric Policy Inf Serv Eur Communities
Newsl Electron Microsc Cent Facil Md Univ
NOAA Tech Rep NMFS SSRF U S Natl Mar Fisheries Serv
Nor Skogind
Nord Veterinaermed
Not Neosan
Notes Afr
Notes Inf Cent Tech Canne Sucre Guadeloupe Martinique
Notes Soil Tech
Nucleic Acids Res
Nutr & MD
Nutr Metab
Nutr News
Nutr Program News
Nutr Rep Int
Nutr Rev
Nutr Today
Occas Pap N Y State Coll Agric Dep Agric Econ
Oceanus
Oecologia
Oreg Agric Prog
Ornamentals Northwest
Orquideologia
Our Public Lands
Ovoshtarstvo
PA U S Dep Agric
Pac Northwest Lab Annu Rep USERDA Div Biomed Environ Res
Pag Bull
Pak Dev Rev
Pak J Zool
Pantnagar J Res
Pap Celul
Pap Int Rice Res Inst Agric Econ Dep
Papeterie
Papier
Parent's Magazine
Parfums Cosmet Aromes
Parques Jard
PB U S Natl Tech Inf Serv
Pchelarstvo
Pediatric Annals
Pediatrics
Pedologie
Perfum Flavorist
Personnel J
Persoonia
Pesqui Agropecu Bras Ser Zootec
Pestic Monit J
Pflanzenschutz Kur Bayer Pflanzenschutz Leverkusen
Pharmacol Biochem Behav
Photosynthetica
Physiol Plant Pathol
Phytochemistry
Phytomorphology
Phytopathol Mediterr
Plant Biochem J
Plant Cell Physiol
Plant Chron
Plant Dis Rep
Plant Pathol
Plant Physiol
Planta
PM Iowa State Univ Sci Technol Ames Coop Ext Serv
PNW Oreg State Univ Coop Ext Serv
Pol Arch Hydrobiol
Poljopr Teh
Precambrian Res
Problemy osvoeniia pustyn'
Proc Entomol Soc Wash
Proc Fla State Hortic Soc
Proc Helminthol Soc Wash
Proc Ill Turfgrass Conf
Proc Indian Natl Sci Acad, Part B Biol Sci
Proc Int Bedding Plant Conf
Proc Mont Nutr Conf Livest Grow Feed Manuf Dealers Salesmen
Proc N Z Ecol Soc
Proc Natl Acad Sci U S A
Proc Nutr Soc
Proc R Soc Queensl
Proc Trop Reg Am Soc Hortic Sci
Prod Agric Fr
Prod Prices Employ Trade Northwest For Ind U S Pac Northwest For Range Exp Stn
Prof Pap U S Geol Surv
Prog Hortic
Prog Phytochem
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Prog Rep Sociol Anthropol Agric Exp Stn N C State Univ
Prog Rep Tex Agric Exp Stn
Pub ESR Argent Repub
Publ Can Dep Agric
Publ Coop Ext Programs Univ Wis Ext
Publ Inst Mech Arb Gebouwen
Publ Tech Pap Proc Annu Meet Sugar Ind Technol Inc
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Pulp & Pap Can
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Q J Agric Econ
Q J For
Quad Merceol Ist Merceol Univ Bologna
Qual Publ Malt Barley Improv Assoc
R Nev Agric Exp Stn
R T I A (Rev Tech Econ Ind Aliment)
Radiat Res
Rapp Proefstn Rundveehouderij
Rapp Uppstats Inst Skogsprod Skogshogsk (Stockh)
Recept Recognition Ser B
Recht Landwirtsch
Reg Veg
Regul Bull Ky Agric Exp Stn
Relat Cient Esc Super Agric Luiz Queiroz Dep Inst Genet
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Res Rep Mich State Univ Agric Exp Stn
Res Rep Off Rur Dev (Suwon)
Res Rep Off Rural Dev (Hortic Agri-Engine) Korea (Repub)
Res Rep Off Rural Dev (Soil Sci Fert Plant Prot Micrology) Korea (Repub)
Res Rep Off Rural Dev (Vet Seric) Korea (Repub)
Res Vet Sci
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Rev Padurilor Ind Lemnului Celul Hirtie Ind Lemnului
Rev Port Cienc Vet
Rev Suisse Agric
Rev Suisse Vitic Arboric Hortic
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Rev Vet Can
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Rilancio Agric Vet Zootec
Riv Agron
Riv Ing Agrar
Riv Parassitol
Riv Zootec Vet
Rocz Akad Roln Poznan Pr Habilitacyjne
Rozpr Szczecin Wyzsz Szk Roln
Rural India
S & TA Sci Technol Alimenti
S Sh A Ekon Polit Ideologiia
Sante Abeille
Sch Foodserv J
Schriftenr Schweiz Ver Ernahrung
Schriftenr Zentralverbandes Dtsch Molkereifachleute Milchwirtsch
Schweiz Bienen-Zeitung
Sci Agric Bohemoslov
Sci Cult
Sci Hortic
Sci New Guinea
Science
Scot Agric Econ Scotl Dep Agric Fish
Scott For
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Ser Entomol
Ser Inf Cent Doc Invest Ensenanza Super Agropecu Zona Sur
Shell Agric
Simmental Booster
S-kh Biol
Slovenski Cebelar
Smaskrift Landbruksdep Opplysningstjenesten (Norway)
Smithson Contrib Zool
Sobre Deriv Cana Azucar
Socioecon Environ Stud Ser EPA
Socio-Econ Inf Ohio Agric Rural Communities
Soil Conserv
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South Indian Hortic
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Sov J Ecol
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Spec Circ Pa State Univ Ext Serv
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Staff Pap Ser Wis Univ Dep Agric Econ
Staff Welfare Caterer
Staff Welfare Catering
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Stikstof Dutch Nitrogenous Fert Rev
Stud Inf, Lesn
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Sugar Sweetener Rep
Sugar Technol Rev
Sugarbeet
Summa Phytopathol
Supervisory Management
Sver Skogvardsforb Tidskr
Symp Br Ecol Soc
Syst Bot
Tab J Int
TAG (Theor Appl Genet)
Tappi (Tech Assoc Pulp Paper Ind)
Tea East Afr
Teaduslike Toode Kogumik Eesti Maaviljeluse Maaparanduse Teadusliku Uurimise Inst
Tech Bull Asian Pac Counc Food Fert Technol Cent
Tech Bull Hawaii Agric Exp Stn Univ Hawaii

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Tech Bull N S W Dep Agric
Tech Bull U S Dep Agric
Tech Bull Wash (State) Agric Res Cent
Tech Bull West Aust Dep Agric
Tech Drewna Warsz Zeszt Nauk Akad Roln
Tech Ind Cereal
Tech Pap C S I R O Div Land Resour Manage
Tech Rep Ser World Health Organ
Tech Rep Tex Water Resour Inst
Tech Rep Univ Md Water Resour Res Cent
Tech Rep Water Resour Res Cent Univ Hawaii
Teho
Termeszettud Kozl
Tetrahedron
Tetrahedron Lett
Text Chem Color
Text Prax Int Ed
Theriogenology
Tidskr Skogbruk
Tidsskr Landokon
Tijdschr Diergeneeskd
Tijdschr Entomol
Tissue Cult Assoc Man
Tokyo Geogr Pap
Toxicology
Tr Biogeokhim Lab Akad Nauk SSSR
Training
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Trans Am Entomol Soc
Trans ASAE (Am Soc Agric Eng)
Trans Br Mycol Soc
Trans Ill State Acad Sci
Trans Mycol Soc Jap
Trav Sect Sci Tech
Trav Ser A Stn Rech Eaux Forets
Tree Plant Notes U S For Serv
Trends Biochem Sci
Trop Grain Legume Bull
Trop Stored Prod Inf
U S Agric Res Serv (Reprints of articles by ARS employees)
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U S D A For Serv Res Pap FPL
U S For Serv (Reprints of articles by FS employees)
Umschau
Univ Kans Sci Bull
USDA For Ser Res Note NE (U S Dep Agric Northeast For Exp Stn)
USDA For Serv Gen Tech Rep FPL U S For Prod Lab
USDA For Serv Gen Tech Rep NC North Cent For Exp Stn
USDA For Serv Gen Tech Rep NE U S Northeast For Exp Stn
USDA For Serv Gen Tech Rep PNW Pac Northwest For Range Exp Stn
USDA For Serv Gen Tech Rep RM U S Rocky Mt For Range Exp Stn
USDA For Serv Res Pap INT U S Intermt For Range Exp Stn
USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)
USDA For Serv Res Pap PNW U S Pac Northwest For Range Exp Stn
USDA For Serv Resour Bull NC (U S Dep Agric North Cent For Exp Stn)
USDA (U S Dep Agric)
Utah Sci
Va J Sci
VAE (Va Agric Econ)
Vara Palsd
Varstvo Narvave
Vcelar
Veg Grow News
Vegetarian Times
Vegetatio
Vending Times
Veroff Land- Hauswirtsch Auswertungs- Informationsdienst
Versl Interprov Proeven Proefstn Akkerbouw
Versl Landbouwk Onderz Cent Landbouwpubl Landbouwdoc
Vet Clin North Am
Vet Hum Toxicol
Vet Microbiol
Vet Parasitol
Vet Pathol
Vet Prof Top Cattle Beef Prof Top
Vet Rec
Veterinaria (Sarajevo)
Veterinaria (Villa Obregon)
Vie Milieu, Ser C Biol Terr
Vinifera Wine Grow J
Vitamins
Vlaam Diergeneeskd Tijdschr
VM SAC (Vet Med Small Anim Clin)
W H O Chron
W O Atwater Mem Lect U S Agric Res Serv
Waldhygiene
Water
Water Resour Data Indiana
Water Resour Invest
Watsonia J Proc Bot Soc Br Isles
Weight Watchers
West Econ J
West Vet
Wet Meded K N N V (K Ned Naturhist Ver)
Wiad Ekol
Wilderness Rep Wilderness Soc
Wines Vines
Wochenbl Papierfabr
Wood Sci Technol
World Crops
Young Children
Z Allg Mikrobiol
Z Kulturtech Flurbereinig
Zambia J Sci Technol
Zesz Nauk Ogrod Akad Roln Krakow
Zool Verh Rijksmus Nat Hist
Zoonosis
Zootec Nutr Anim
4-H Club Circ Agric Ext Serv Univ Wyo

# MAIN ENTRY SECTION

## GENERAL AGRICULTURE AND RURAL SOCIOLOGY

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**114030** 420 N38B
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**The caterpillar of Zygaena esseni Blom (Lepidoptera).** Wilde, A G de *Entomol Ber (Amsterdam)* 36 (10): 159-160. Oct 1, 1976

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**A new species of Callomyia [saibhira] Meigen (Diptera: Platypezidae) from Bulgaria.** Chandler, P J *Entomol Gaz* 27 (4): 257-261. 1976

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**114037** 421 EN834
**Brithys pancratii (Cyrillo, 1787) a subspecies of Brithys crini (Fabricius, 1775) (Lepidoptera, Noctuidae).** Bretherton, R F; Hayes, A H *Entomol Gaz* 27 (4): 226-228. Ref. 1976

**114038** 421 EN834
**Chironomidae (Diptera, Nematocera) from Leighton Moss, north Lancashire, including two species new to Britain.** Birkett, N L *Entomol Gaz* 27 (4): 245-254. Ref. 1976

**114039** 421 EN834
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**114040** 421 EN834
**Further notes on Zygaena Fabricius (Lepidoptera, Zygaenidae) from Iran.** Tremewan, W G *Entomol Gaz* 27 (4): 215-220. 1976

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**114042** 421 EN834
**Records of Adscita Retzius (=Procris F.) (Lepidoptera, Zygaenidae) from Greece.** Coutsis, J G *Entomol Gaz* 27 (4): 221-225. Map. 1976

**114043** 421 EN834
**Satyrus sintenisi Staudinger, 1895 a synonym of Satyrus mamurra Herrich-Schaffer, 1845 (Lepidoptera, Satyridae).** Higgins, L G; Riley, N D *Entomol Gaz* 27 (4): 213-214. 1976

**114044** 421 EN834
**The pre-adult stages of Norellisoma spinimanum (Fallen) (diptera, Cordyluridae) and a parasitoid (Hymenoptera, Pteromalidae) of the same.** Disney, R H L *Entomol Gaz* 27 (4): 263-267. Ref. 1976

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**The specific names of three British Scoparii-nae (Lepidoptera, Pyralidae) [Scoparia cembrae, Scoparia resinea, Scoparia mercurea].** Lempke, B J *Entomol Gaz* 27 (4): 242-244. 1976

**114046** 421 EN834
**Xestia alpicola (Zetterstedt) (Lepidoptera, Noctuidae) in Northumberland.** Young, M R *Entomol Gaz* 27 (4): 274. 1976

**114047** 421 EN86
**A few beetles from north west Scotland.** Cooter, J *Entomol Mon Mag* 112 (1340/1343): 18. Jan/Apr 1976

**114048** 421 EN86
**A new species of Angulitermes (Isoptera, Termitidae, Termitinae) from the Indian desert, with some observations on its biology [Angulitermes jodhpurensis].** Roonwal, M L; Verma, S C *Entomol Mon Mag* 112 (1340/1343): 5-12. Jan/Apr 1976

**114049** 421 EN86
**A new species of Alebra Rieber (Hemiptera, Cicadellidae) [Alebra coryli].** Le Quesne, W J *Entomol Mon Mag* 112 (1340/1343): 49-52. Jan/Apr 1976

**114050** 421 EN86
**Additional species in two African genera hitherto considered monotypic (Coleoptera, Cetoniidae) [Myrmecochilus negiectus, Scheinia ruteri, new taxa].** Krikken, J *Entomol Mon Mag* 112 (1340/1343): 91-95. Jan/Apr 1976

**114051** 421 EN86
**Axinotarsus marginalis Lap. (Coleoptera, Melyridae) in two localities in Kent.** Side, K C *Entomol Mon Mag* 112 (1340/1343): 60. Jan/Apr 1976

**114052** 421 EN86
**Description of four species of Amblyseius Berlese (Acarina: Phytoseiidae) from India [New taxa].** Gupta, S K *Entomol Mon Mag* 112 (1340/1343): 53-58. Jan/Apr 1976

**114053** 421 EN86
**First record of the genus Pseudoscottiella (Psocoptera, Pseudocaeciliidae) from India.** Srivastava, D C *Entomol Mon Mag* 112 (1340/1343): 60. Jan/Apr 1976

**114054** 421 EN86
**Hydroporus elongatulus Sturm (Coleoptera, Dytiscidae) new to Britain.** Foster, G N *Entomol Mon Mag* 112 (1340/1343): 13-18. Ref. Jan/Apr 1976

**114055** 421 EN86
**Laccornis oblongus (Stephens) (Coleoptera, Dytiscidae) in four Border counties.** Foster, G N; Sinclair, M *Entomol Mon Mag* 112 (1340/1343): 82. Jan/Apr 1976

**114056** 421 EN86
**Migration of white butterflies [Pieris brassicae].** Feltwell, J *Entomol Mon Mag* 112 (1340/1343): 88. Jan/Apr 1976

**114057** 421 EN86
**Notes on some Pompilidae (Hymenoptera) of incorrectly reported type-locality [New taxa].** Day, M C *Entomol Mon Mag* 112 (1340/1343): 71-74. Ref. Jan/Apr 1976

**114058** 421 EN86
**On Lithobius melanops Newport (Chilopoda: Lithobiomorpha) in North America.** Eason, E H *Entomol Mon Mag* 112 (1340/1343): 65-66. Jan/Apr 1976

**114059** 421 EN86
**On the identity of Acrotrichis volans auctt. Brit (Coleoptera. Ptiliidae).** Johnson, C *Entomol Mon Mag* 112 (1340/1343): 12. Jan-/Apr 1976

**114060** 421 EN86
**Pterostichus angustatus (Dufts.) (Coleoptera, Carabidae) in Hampshire.** Haines, C P *Entomol Mon Mag* 112 (1340/1343): 60. Jan/Apr 1976

**114061** 421 EN86
**Some Coleoptera captured in Hampshire and Somerset.** Murray, D H *Entomol Mon Mag* 112 (1340/1343): 52. Jan/Apr 1976

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**114063** 421 EN86
**Some notes on Bradycellus sherpi Joy and Bradycellus harpalinus (Serville) (Coleoptera, Caribidae).** Haines, C P *Entomol Mon Mag* 112 (1340/1343): 96-97. Plate. Jan/Apr 1976

**114064** 421 EN86
**Some records of Chrysomelidae (Coleoptera) from Ayrshire.** Crowson, R A *Entomol Mon Mag* 112 (1340/1343): 76. Jan/Apr 1976

**114065** 421 EN86
**The British species of Anthonomus Germar (Coleoptera: Curculionidae).** Morris, M G *Entomol Mon Mag* 112 (1340/1343): 19-40. Ref. Jan/Apr 1976

**114066** 421 EN86
**The first record of Liposcelis entomophilus (End.) (Psocoptera, Liposcelidae) from India.** Srivastava, D C; Sinha, T B *Entomol Mon Mag* 112 (1340/1343): 18. Jan/Apr 1976

**114067** 421 EN86
**The identity of Gonomyia (Idiocera) punctata Edwards (Diptera, Tipulidae) [New taxa].** Stary, J *Entomol Mon Mag* 112 (1340/1343): 67-70. Jan/Apr 1976

**114068** 421 EN86
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**114069** 421 EN86
**The status of Aphis menthae-radicis Cowen, 1895, and Aphis senecio-redicis Gillette & Palmer, 1929 (Homoptera, Aphididae).** Wood-Baker, C S *Entomol Mon Mag* 112 (1340/1343): 85-87. Jan/Apr 1976

**114070** 421 EN86
**Tree wasp workers (Hymenoptera, Vespidae) excavating soil from underground nests [Dolichovespula sylvestris, Dolichovespula norwegica, Dolichovespula albida].** Archer, M E *Entomol Mon Mag* 112 (1340/1343): 88. Jan/Apr 1976

**114071** 421 EN86
**Two new species [Cryphalomorphus samoanus, Xyleborus longicollis] of Scolytidae (Coleoptera) from Samoa.** Browne, F G *Entomol Mon Mag* 112 (1340/1343): 61-62. Jan/Apr 1976

**114072** 421 EN89
**A further note on Epiblema grandaevana (L. & Z.).** Dunn, T C *Entomol Rec J Var* 88 (12): 334-335. Dec 1976

**114073** 421 EN89
**A new name for Exomella Fennah, 1957 (Homoptera, Fulgoroidea, Flatidae) [Afrexoma].** Fennah, R G *Entomol Rec J Var* 88 (12): 314. Dec 1976

**114074** 421 EN89
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**114075** 421 EN89
**A note on some beetles captured in Moccas Park, Herefordshire, during 1975.** Cooter, J *Entomol Rec J Var* 88 (12): 319-320. Dec 1976

**114076** 421 EN89
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**114077** 421 EN89
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**114078** 421 EN89
**Aricia anteros Freyer on Mt. Taygetos [Greece].** Brown, J *Entomol Rec J Var* 88 (12): 314. Dec 1976

**114079** 421 EN89
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**114080** 421 EN89
**Clepsis rurinana (L.) (=semialbana (Guenee) in Scotland.** Agassiz, D *Entomol Rec J Var* 89 (5): 151. May 1977

**114081** 421 EN89
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**114082** 421 EN89
**Cosmopterix zieglerella (Hubner) (Eximia Haworth) (Lepidoptera, Momphidae) in Essex.** Emmet, A M *Entomol Rec J Var* 88 (12): 323. Dec 1976

**114083** 421 EN89
**Curtis and Wood on Eriopygodes imbecilla Fabr. (Lepidoptera , Noctuidae).** Bretherton, R F *Entomol Rec J Var* 89 (4): 125. Apr 1977

**114084** 421 EN89
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**114085** 421 EN89
**Further records of Heterographis oblitella (Zeller).** Sokoloff, P A *Entomol Rec J Var* 88 (12): 318. Dec 1976

**114086** 421 EN89
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**114087** 421 EN89
**Heterographis oblitella Z. Plentiful in South East London.** Allen, A A *Entomol Rec J Var* 89 (3): 66. Mar 1977

**114088** 421 EN89
**Hummingbird Hawk [Macroglossum stellatarum] in the Isle of Man in 1976.** Garrad, L S *Entomol Rec J Var* 88 (12): 323. Dec 1976

**114089** 421 EN89
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**114090** 421 EN89
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**114091** 421 EN89
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**114092** 421 EN89
**Lithophane leutieri Boisd.—further records from East Sussex.** Pratt, C *Entomol Rec J Var* 89 (5): 153. May 1977

**114093** 421 EN89
**Metasyrphus nielseni D. & L. (Diptera: Syrphidae) in the British Isles.** Speight, M C D *Entomol Rec J Var* 89 (5): 154-155. May 1977

**114094** 421 EN89
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**114095** 421 EN89
**Monochroa hornigi (Staudinger) (Lepidoptera, Gelechiidae) in Hampshire.** Ffennell, D W H *Entomol Rec J Var* 89 (4): 105. Apr 1977

**114096** 421 EN89
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**114097** 421 EN89
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**114098** 421 EN89
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**114099** 421 EN89
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**114102** 421 EN89
**Some records of migrant Lepidoptera in south Cumbria in 1976.** Birkett, N L *Entomol Rec J Var* 89 (5): 152-153. May 1977

**114103** 421 EN89
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**114104** 421 EN89
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**114105** 421 EN89
**Strymonidia w-album Knoch in Hampshire.** Luckens, C J *Entomol Rec J Var* 89 (5): 149. May 1977

**114106** 421 EN89
**The Clifden Nonpareil (Catocala fraxini L.) in Norfolk.** Ellis, E A *Entomol Rec J Var* 88 (12): 323. Dec 1976

**114107** 421 EN89
**The grizzled skipper (Pyrgus malvae L.) on the Isle of Sheppey, Kent.** Burton, G N *Entomol Rec J Var* 89 (5): 140. May 1977

**114108** 421 EN89
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**114112** 421 EN89
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**The sand dart (Agrotis ripae Hbn.) in London.** Agassiz, D *Entomol Rec J Var* 89 (5): 153. May 1977

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**114116** 421 EN89
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**114117** 421 EN89
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**114118** 421 EN89
**Two visits to Europe during 1976 [Insect collecting].** De Worms, C G M *Entomol Rec J Var* 89 (4): 108-112. Apr 1977

**114119** 421 EN89
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**114120** 421 EN89
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**114121** 421 EN89
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**114122** 421 EN85
**Contribution to the study of Iranian Rhopalocera. 10. New Lycaenidae subspecies from southern Iran (Lepidoptera) [Apharitis myrmecophila farsica, Vacciniina hyrcana blomi, Agrodiaetus hamadanensis splendens].** (Ger) Rose, K; Schurian, K *Entomol Z* 87 (14): 145-151. July 15, 1977

**114123** 421 EN85
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**114124** 421 EN85
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**114125** 421 EN85
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**114126** 421 EN85
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**114127** 421 EN85
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**114128** 511 SO1
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**114129** 426 F27
**Chalcids of the family Eurytomidae, subfamilies Rileyinae and Harmolitinae [New taxa, Rileya asiatica, Tetramesa puccinellae, Tetramesa kazachstanica].** (Rus) Zerova, M D *Fauna SSSR Pereponchatokrylye* (New Ser.) 7 (6), 230 P. Ref. 1976

**114130** QL71.A1F3
**Cerambycidae in the surroundings of Dresden (Coleoptera) (First supplement.** (Ger) Nussler, H *Faunistische Abh* 5 (5): 205-214. Eng. Sum. Dec 20, 1974

**114131** QL71.A1F3
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**114133** QL71.A1F3
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**114134** 420 F662
**Rediscovery of Polysphincta albipes Cresson (Hymenoptera: Ichneumonidae).** Greenbaum, H N *Fla Entomol* 60 (2): 148. June 1977

420 F662
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**114138** QH301.E4
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**114139** S591.M38
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**114142** 420 EN823
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**114144** 420 EN823
**The occurrence in Australia of Lachnophoroides distant (Heteroptera: Lygaeidae) with descriptions of two new species [Lachnophoroides thompsoni, Lachnophoroides monteithorum.** Woodward, T E *J Aust Entomol Soc* 16 (1): 63-71. Ref. 1977

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**114148** 513 B63
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**114150** 513 B63
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**114151** 513 B63
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## CONTENT

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Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience. Articles that would not otherwise be indexed in the *Bibliography of Agriculture* might be included for USDA authored, sponsored, or published materials.

The Bibliography is now divided into ten sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, a personal author index, and a subject index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

## MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

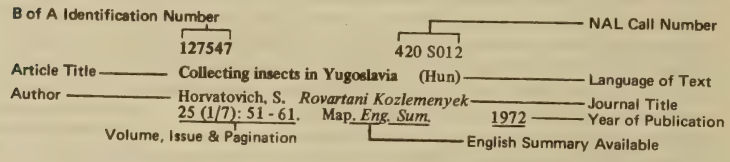
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

| | | | | | |
|---|---|---|---|---|---|
| (Afr) | Afrikaans | (Geo) | Georgian | (Pol) | Polish |
| (Alb) | Albanian | (Ger) | German | (Por) | Portuguese |
| (Arm) | Armenian | (Gre) | Greek | (Rum) | Rumanian |
| (Aze) | Azerbaijani | (Heb) | Hebrew | (Rus) | Russian |
| (Bel) | Belorussian | (Hun) | Hungarian | (Scc) | Serbo-Croatian (Cyrillic) |
| (Bul) | Bulgarian | (Ice) | Icelandic | | |
| (Bur) | Burmese | (Ind) | Indonesian | (Scr) | Serbo-Croatian (Roman) |
| (Chi) | Chinese | (Ita) | Italian | | |
| (Cze) | Czech | (Jpn) | Japanese | (Slo) | Slovak |
| (Dan) | Danish | (Kor) | Korean | (Slv) | Slovenian |
| (Dut) | Dutch | (Lat) | Latin | (Spa) | Spanish |
| (Est) | Estonian | (Lav) | Latvian | (Swe) | Swedish |
| (Fin) | Finnish | (Lit) | Lithuanian | (Tha) | Thai |
| (Fle) | Flemish | (Mac) | Macedonian | (Tur) | Turkish |
| (Fre) | French | (Nor) | Norwegian | (Ukr) | Ukrainian |

In order to identify bibliographic elements within each main entry, note the following:




## MAIN ENTRY SUB-SECTIONS

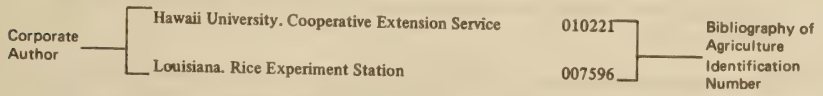
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications (authored by, sponsored by, and published by); State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry Section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries are in The Main Entry Section as well as in the sub-sections.

## GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

## CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.




## AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.




## SUBJECT INDEX

The vocabulary of the *Bibliography of Agriculture* is derived from the indexed literature. As a result, it reflects both natural language and scientific terminology. The reader must keep this fact in mind and approach the subject index without any preconceived taxonomy in mind. For example, data on a particular member of the ACARIDAE family may be found under TICKS as well. Prevention measures will be found under ACARICIDE.

The reader should plan his search in terms of the most specific natural language term prior to searching under a scientific term. However, note that the vocabulary is an open ended one and new terms are added each month. Undoubtedly readers will be more keenly aware of crucial search terms within their own fields of research. If such terms are missing, we hope readers will notify the editor of such gaps. The Subject Index will increase its utility if there is frequent interaction between the research community and the editor.

All entries are complete (none are truncated), and are based on single words in the title (and title enrichment when added by the library). An entry will be made whenever a title word matches a word on the authority file, which currently contains over 25,000 terms. The file is organized so that in most cases synonymous terms are grouped together under a single subject heading. Thus singular and plural forms are grouped under a single term as are grammatical variants.

The title word on which the entry is based, appears in italics to facilitate rapid scanning of the index. A secondary word, which may either precede or follow the primary word, appears in bold face type. The alphabetic sequence is by the secondary (bold face) word. These word pairs help provide finer access to desired terms, particularly under headings which have many entries.

**CHEESES**

Production and sale of *Gorgonzola* **cheese** [Prices, trade, productive capacity]. 227693

The **cheese** *industry*. 227819

Information for the consumer and advertising abroad of typical *Italian* **cheeses** [Prices]. 227689

Not enough to produce—Sale of *Italian* **cheeses** urgency of modern forms and efficient structures [Prices, trade].

Many general terms were deleted from the control vocabulary in 1975, and work is underway on the establishment of a more complete list of specific terms. Each subsequent issue will reflect this work. The *Thesaurus of Agricultural Terms*, published in 1976, reflects all the changes made in the control vocabulary through December 1975.

The last item of each entry in the Subject Index is the six digit *Bibliography of Agriculture* identification number. Use this number to locate the complete main entry citation in the monthly issues.

## AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

| | |
|---|---|
| Microfilms: | $1.00 for each 30 pages or fraction copied from a single article or book |
| Electrostatic Copies: | $1.00 for each 10 pages or fraction copied from a single article or book. |

Payment must accompany the order. Cash, library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photocopying Service.

# LIST OF JOURNAL TITLE ABBREVIATIONS CITED

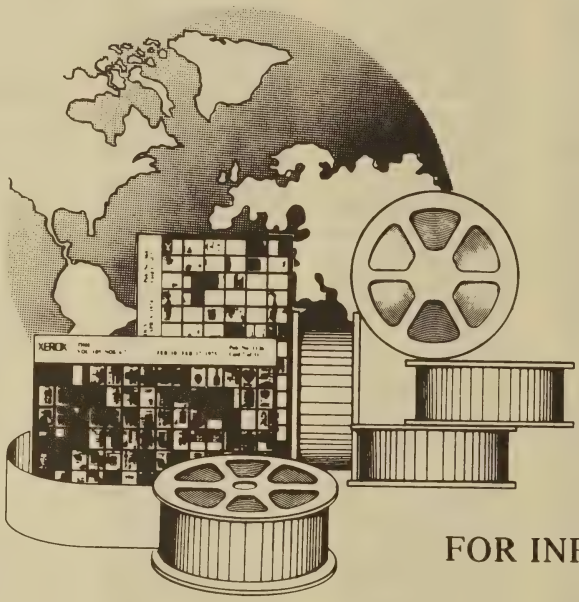
A E Ill Univ Dep Agric Econ
A E Okla State Univ Dep Agric Econ
A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State COll Agric Life Sci
Abelhas
Acta Anat
Acta Biochim Biophys
Acta Biochim Pol
Acta Chem Scand Ser B Org Chem Biochem
Acta Entomol Bohemoslov
Acta Histochem Cytochem
Acta Hortic
Acta Microbiol Virol Immunol
Acta Pathol Microbiol Scand, Sect A Pathol
Acta Physiol
Acta Physiol Scand
Acta Phytopathol
Acta Soc Bot Pol
Acta Theriol
Acta Virol
ADAS Q Rev G B Agric Dev Advis Serv
Adv Enzyme Regul
Advis Leafl G B Minist Agric Fish Food
Agric Agroind J
Agric Biol Chem
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Econ Res
Agric Educ
Agric Eng (St Joseph, Mich)
Agric Environ
Agric Ext Serv Univ Minn Spec Rep
Agric Handb U S Dep Agric
Agric Hist
Agric Inf Bull U S Dep Agric
Agric Merch
Agric Meteorol
Agric Pak
Agric Res
Agric Situat U S Dep Agric Stat Rep Serv
Agric Syst
Agrichem Age
Agron J
Agron Res Rep La State Univ Agric Mech Coll Dep Agron
Agua
Aim Nutr Health
Aktuel Litinf Obstbau Berlin Tech Univ Bibl
Ala Agribus
Alberta Hog J
Am Bee J
Am Camel Yearb
Am Christmas Tree J
Am Dairy Rev
Am Econ Rev
Am Fern J
Am For
Am Fruit Grow
Am J Bot
Am J Clin Nutr
Am J Obstet Gynecol
Am J Obstetrics Gyn
Am J Physiol
Am J Public Health
Am J Trop Med Hyg
Am J Vet Res
Am Midl Nat
Am Mus Novit
Am Nurserym
Am Potato J
Am Rabbit J
Amer J Clin Nutr
AMS U S Dep Agric Agric Mark Serv
Anal Biochem
Anat Rec
Anim Blood Groups Biochem Genet
Anim Feed Sci Technol
Anim Prod
Ann Agric Fenn
Ann Appl Biol
Ann Assoc Am Geogr
Annu Rep Agric Res Inst North Irel
Annu Rep Macaulay Inst Soil Res
Annu Rep Radiat Cent Osaka Prefect
Annu Rep State Calif Resour Agency Dep Conserv Div For
Anregungen Prod Absatz
Apic Rom
Apicultura Rom
APPITA (Aust Pulp Pap Ind Tech Assoc)
Applied Environ Microbiol
Aquat Bot
Arable Farming
Arch Biochem Biophys
Arch Environ Contam Toxicol
Arch Environ Health
Arch Int Pharacodyn Ther
Arch Microbiol
Arch Pharm Ber Dtsch Pharm Ges
Arch Virol
Arch Zool Exp Gen
Arctic
ARDC News Agric Refinance Dev Corp
Arkansas Cattle Bus
Arnoldia
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
ARS-W U S Agric Res Serv West Reg
Artha Vijnana J Gokhale Inst Polit Econ
Atmos Environ
Atti Accad Ligure Sci Lett
Aust For Ind J
Aust J Agric Econ
Aust J Agric Res
Aust J Biol Sci
Aust J Bot
Aust J Chem
Aust J Exp Agric Anim Husb
Aust J Exp Biol Med Sci
Aust J Mar Freshwater Res
Aust J Zool
Aust J Zool Suppl Ser
Aust Parks Recreat
Aust Plants
Aust Vet J
Aust Vet Pract
Avian Dis
Avian Pathol
Bakers Dig
Bangladesh J Sci Ind Res
Baromfitenyesztes Feldolgozas
Bayer Landwirtsch Jahrb
Behav Ecol Sociobiol
Behav Genet
Behav Processes
Behavior Therapy
Beret Statens Husdyrbrugsudvalg Landokonomisk Forsogslab
Beret Statens Plant (Kobenh)
Bergland, Bob Selmer (Addresses, Statements, Etc.)
Better Crops Plant Food
Biatas, The Tillage Farmer
Bienenvater
Big Farm Manage
Bi-Mon Res Notes Can For Serv
Biochem Biophys Res Commun
Biochem Genet
Biochem J
Biochem Syst Ecol
Biochemistry (Easton)
Biochim Biophys Acta
Biol Bull
Biol Conserv
Biol Neonate
Biol Pr
Biologist
Biologist (Denver)
Biomed Mass Spectrom
Biometrics
Biophys Struct Mech
BIOS
BioScience Am Inst Biol Sci
Biotropica
Blumea
Bol Divulg Tec Argent Repub Estac Exp Agropecu Anguil
Boll Soc Ital Biol Sper
Bot Rev
Bothalia
Br Farmer Stockbreed
Br J Exp Pathol
Br J Nutr
Br Phycol J
Br Poult Sci
Br Sugar Beet Rev
Branntweinwirtschaft
Brauwelt
Brew Dig
Brew Guardian
Brittonia
Broil Ind
Brot & Geback
Bryologist
Bull Am Assoc Bot Gard Arboreta
Bull Am Meteorol Soc
Bull Balai Penelitian Perkebunan
Bull Conn Univ Coop Ext Serv
Bull Coop Ext Serv Mont State Univ
Bull Entomol Soc Am
Bull Environ Contam Toxicol
Bull Fac Agric Univ Miyazaki
Bull Idaho Agric Exp Stn Univ Idaho Coll Agric
Bull Idaho For Wildl Range Exp Stn
Bull Ill Coop Crop Rep Serv
Bull Int Assoc Sci Hydrol
Bull La Agric Exp Stn Dep Agron
Bull Miss Agric For Exp Stn
Bull Pa Agric Exp Stn
Bull Res Inst Nedri As
Bull Soc Sci Bret
Bull Univ Maine Orono Life Sci Agric Exp Stn
Bull Univ R I Coop Ext Serv
Bull Va Water Resour Res Cent Va Polytech Inst State Univ
Bull Wash State Univ Coll Agric Res Cent
Bull World Health Organ
Bull Wyo Agric Exp Stn
Bull Wyo Univ Agric Ext Serv
Butter Fat Solids
C Coop Ext Serv Kans State Univ
C Nev Univ Coop Ext Serv
Cah I E A (Inst Econ Agric Brux)
Calif Agric
Calif Cattlem
Calif Plant Pathol
Calif Vet
Can Entomol
Can For Ind
Can Fruitgrower
Can J Biochem
Can J Bot
Can J Chem
Can J For Res
Can J Genet Cytol
Can J Microbiol
Can J Physiol Pharmacol
Can J Plant Sci
Can J Public Health
Can J Soil Sci
Can J Zool
Can Wheat Cargoes Q Bull
Cane Grow Q Bull Queensl Bur Sugar Exp Stn
Canopy
Carbohydr Res
Caryologia
Castanea
Catena
Cattlemen
Cell Immunol
Cell Tissue Res
Cellul Chem Technol
Cereal Foods World
Cereal Res Commun
Cereal Rusts Bull
Cesk Epidemiol Mikrobiol Imunol
Chem Ber Ges Dtsch Chem
Chem Biol Interactions
Chem Commun
Chem Ind Soc Chem Ind
Chem Pharm Bull
Chesapeake Sci
Chimia
Chromatographia
Chromo Inf Serv
Chromosoma
Chrysanthemum
Chung-hua Min Kuo Shou I Hsueh Hui Tsa Chih
Cienc Abejas
Circ Coop Ext Ser Univ Ga Coll Agric
Circ Ill Univ Coop Ext Serv
Circ Inst Agron
Circ La Agric Exp Stn
Citrograph
Citrus Sub-Trop Fruit J
Citrus Veg Mag
Clin Exp Pharm Physiol
Clin Pediatrics
Comm Bull N S W Dep Agric Div Mark Econ
Commentat Biol Suom Tiedeseura
Commer Rabbit
Commodities
Commun Soil Sci Plant Anal
Comp Biochem & Physiol A, Comp Physiol
Comp Biochem & Physiol B, Comp Biochem
Comp Biochem & Physiol C, Comp Pharmacol
Compact Fruit Tree
Compost Sci
Confect Prod
Conn Woodl
Conserv Recycling
Consumer Reports
Control Ser Va Polytech Inst State Univ Ext Div Coop Ext Serv
Cooking for Profit
Coop Ext Pub La State Univ Agric Mech Coll Coop Ext Serv
Corn Annu
Cornell Agric Econ Staff Pap
Cornell Int Agric Bull
Counc Agric Sci Technol Rep
Cow Moos
Cranberries
CRC Crit Rev Environ Control (Chem Rubber Co)
Crop Sci
Cryobiology
CSIRO Food Res Q
Ctry Life
Cultivator
Curr Inf Ser Idaho Univ Coop Ext Serv
Cytobiologie
Cytobios
Cytogenet Cell Genet
Dairy Farmer Dairy Beef Prod
Dairy Herd Manage
Dairy Notes
Dairy Top
Dairyfarm Dig
Dairyman
Dairyman (Armadale)
Dairymen's Dig North Cent Reg Ed
Dan Pelsdyravl
Dan Veterinaertidsskr
Day Care And Early Ed
Dep Inf Rep Texas A M Univ Dep Agric Econ Rural Soc
Dep Vet Q S Roger Bellon
Dev Biol
Dev Change
Div Trop Crops Pastures Tech Pap Commonw Sci Ind Res Organ
Dokl Akad Nauk Az SSR
Drug Metab Dispos Biol Fate Chem
Dtsch Tab
E H P (Environ Health Perspect)
Earth Surf Processes
ECE/AGRI U N Jt FAO/ECE Agric Div
Ecol Entomol
Ecol Res Ser
Econ Dep Rep West Scotl Agric Coll
Econ Plann
Econ Rep Minn Univ Dep Agric Appl Econ
Egypt J Genet Cytol
Eisenhower Consortium Bull Eisenhower Consortium West Environ For Res
Elelmez Ipar
EM Coop Ext Serv Coll Agric Wash State Univ
EM U S For Serv
Empress Chinchilla Breeder
Endocr Res Commun
Endocrinology
Energy Commun
Entomol Gaz

# LIST OF JOURNAL TITLE ABBREVIATIONS CITED

Entomol Phytopathol Appl Plant Pests Dis Res Inst
Entomol Rec J Var
Entomol Scand
Entomol Z
Entomophaga
Environ Exp Bot
Environ Plann A
Environ Pollut
Environ Prot Technol Ser EPA
Environ Res
Enzyme
ERFA (Erdogazdasag Faipar)
ERS Foreign U S Dep Agric Econ Res Serv
Euphytica
Eur J Biochem
Evolution
Exp Agric
Exp Cell Res
Exp Gerontol
Exp Mol Pathol
Exp Parasitol
Experientia
Ext Bull Agric Ext Serv Univ Minn
Ext Bull Asian Pac Counc Food Fert Technol Cent
Ext Bull Md Univ Coop Ext Serv
Ext Bull Mich State Univ Coop Ext Serv
Ext Bull Wash State Univ Coop Ext Serv
Ext Stud Pa State Univ Coop Ext Serv
F. O. Licht's Int Sugar Rep
F S S D State Univ Coop Ext Serv
Fact Sheet Oreg State Univ Ext Serv
Factsheet Ont Minist Agric Food
Faipar
Fam Health
Farm Econ (Pa State Univ)
Farm Manage
Farm Policy
Farm Water Supply Leafl G B Minist Agric Fish Food
Farmer Coop U S Farmer Coop Serv
Farming Jap
FAS-M U S Foreign Agric Serv
Fauna Pol
FCS Inf
FEBS Lett (Fed Eur Biochem Soc)
Feedlot Manage
Feedstuffs
Feline Pract
Fert Mark News
Fert News
FIBRA
Financ Agric
Fla Grower & Rancher
Fla Nat
Flora Neerl Ned Bot Ver
Florists Rev
Flower And Gard West Ed
Focus (Mosc, Idaho)
Foldrajzi Ert
Folia Biol (Krakow)
Folia For
Folia Geobot Phytotaxon
Folia Morphol
Folia Vet Lat
Food Cosmet Toxicol
Food Eng
Food Ind S Afr
Food Management
Food Manuf
Food Nutr
Food Nutr (Rome)
Food Process Ind
Food Prod Dev
Food Res Inst Stud
Food Serv Mark
Food Technol
Food Technol Aust
For Notes
For Prod J
For Tech Pap For Comm (Victoria)
For Tech Rep Can For Serv
Forage Grassl Prog
Foreign Agric Circ Citrus FCF U S Foreign Agric Serv
Foreign Agric Circ FLM U S Foreign Agric Serv
Foreign Agric Circ FOP U S Foreign Agric Serv
Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv
Foreign Agric Circ Livest Meat FLM MT U S Foreign Agric Serv
Foreign Agric Circ Poult Eggs FPE U S Foreign Agric Serv
Foreign Agric Circ Rice FR U S Foreign Agric Serv
Foreign Agric Circ Sugar FS U S Foreign Agric Serv
Foreign Agric U S Foreign Agric Serv
Forester
Forsch Berat, Reihe C, Wiss Ber Diskussionsbeitr
Forsch Sitzungsber Akad Raumforsch Landespl
Freshwater Biol
Fruit Sci Rep
Fruit Var J
G R I Tech Rep Grassl Res Inst
Ga Agric Res
Ga Dairym
Ga For Res Pap Ga For Res Counc
Ga Vet
Ganado Porcino
Gartenpraxis
Gaz Apic
GC HTJ
Gen & Comp Endocrinol
Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv
Generic Names Moths World
Genet And Plant Breed
Genet Pol
Genet Res
Genetica
Geochim Cosmochim Acta
Geoderma
Geolog Surv Finl Bull
Georgofili
Getreide Mehl Brot
Glean Bee Cult
Grass J Br Assoc Green Crop Driers
Great Lakes Entomol
Ground Water
Growth
Haryana Vet
Hawaii Food Process
Health Lab Sci
Hereditas
Heredity
Herpetologica
Highlights Agric Res
Histochemistry
Hoards Dairym
Hog Farm Manage
Holly Lett
Home Gard Bull U S Dep Agric
Hoppe Seylers Z Physiol Chem
Horm & Behav
Hortic News (N J State Hortic Soc)
Horticulture
Hortsci
Hospitals
Human Ecol Forum
Husipar
Hydrobiologia
IAWA Bull (Int Assoc Wood Anat)
Ill Agric Econ
Immunology
In Adhesives for Products From Wood; Proceedings of the Symposium
In Estonia; Regional Studies. L. Merikalju, ed.
In Fermenty: okislitel'no-vosstanovitel'nye fermenty rastenii i amiloliticheskie fermenty plesnevykh gribov
In Green Revolution: Technology and Change in Rice-growing Areas of Tamil Nadu and Sri Lanka. B. H. Farmer, ed.
In Indicators of Change in the Recreation Environment; A National Research Symposium
In Interrelation of Forest and Bog: Results of Station Research. N. I. P'yavchenko, ed.
In La simplification des techniques de travail du sol
In Land Application of Waste Materials
In Large Herd Seminar
In Melioratsiia zemel' Krainego Severa. V. V. Kriuchkov, ed.
In Modern Trends in Bacterial Transformation and Transfection; Proceedings of European Meeting
In Nauchno-proizvodstvennaia konferentsiia po infektsionnym Boleznıam ovets; materialy
In Oroshaemoe zemledelie i ovoshchevodstvo otkrytogo grunta. V. N. Chichkin & others, eds.
In Perspectives on Prime Lands; Background Papers for Seminar on Retention of Prime Lands
In Poultry Nutrition Short Course; Proceedings
In Povyshenie plodorodiia pochv risovykh polei. E. N. Mishustin, ed.
In Problemy optimizatsii razvitiia narodno-khoziaistvennogo Khlopkovogo kompleksa. N. P. Fedorenko & others, eds.
In TAPPI Forest Biology, Wood Chemistry Conference
In Vitro J Tissue Cult Assoc
Ind Obst Gemuseverwert
Ind Water Eng
Indian Cashew J
Indian Cof
Indian Dairym
Indian Drugs
Indian Farming
Indian Food Pack
Indian J Agric Res
Indian J Agric Sci
Indian J Biochem Biophys
Indian J Dairy Sci
Indian J Entomol
Indian J Exp Biol
Indian J Genet Plant Breed
Indian J Med Res
Indian J Nutr Diet
Indian J Pharm
Indian Poult Rev
Indian Pulp Pap
Indian Sugar
Indian Vet J
Inf Chil Nitrate Agric Serv Nitrate Corp Chil Ltd
Inf Fitopatol
Inf Lett Food Agric Organ U N Plant Prot Comm Southeast Asia Pac Reg
Inf Rep Water Res Inst W Va Univ
Inf Ser Agric Econ Univ Calif Agric Ext Serv Agric Exp Stn Giannini Found Agric Econ
Inf Sheet Coop Ext Serv Miss State Univ
Inf Tech Cent Tech Interprof Ol Metrop
Infect Immun
Insectes Mal Arbres Reg Que
Inst Husdjursforadling Rapp Lantbrukshogsk
Instit Distrib
Instit/vol Feeding
Int Arch Allergy Appl Immunol
Int Biodeterior Bull
Int Flavours Food Addit
Int J Agrar Aff
Int J Biochem
Int J Environ Anal Chem
Int J Fertil
Int J Insect Morphol Embryol
Int J Radiat Biol Relat Stud Phys Chem Med
Int J Syst Bacteriol
Int Sugar J
Int Zoo Yearb
Inten Agric
Introd Akklim Rast
Iowa State J Res
Iowa State Univ Vet
Ir J Agric Res
Ir Vet J
Iraqi J Agric Sci
IRCS J Med Sci (Int Res Commun)
Irrig Power
Istanbul Univ Orman Fak Derg
J Aerosol Sci
J Agric Econ
J Agric Eng Res
J Agric (Melb)
J Agric Sci (Setagaya)
J Agric Soc Trinidad Tobago
J Air Pollut Control Assoc
J Ala Acad Sci
J Am Diet Assoc
J Am Leather Chem Assoc
J Am Soc Brew Chem
J Am Soc Farm Manage Rural Apprais
J Am Soc Hortic Sci
J Am Vet Med Assoc
J Anat
J Anim Sci
J Appl Bacteriol
J Appl Ecol
J Appl Physiol
J Appl Polym Sci
J Arboric
J Assoc Off Anal Chem
J Assoc Public Anal
J Aust Entomol Soc
J Bacteriol
J Biochem (Tokyo)
J Bioenergetics Biomembranes
J Biogeogr
J Biol Chem
J Br Grassl Soc
J Bryol
J Can Diet Assoc
J Can Inst Food Sci Technol
J Cell Biol
J Cell Physiol
J Chem Ecol
J Chem Soc, Perkin Trans I
J Chromatogr
J Chromatogr Sci
J Clin Microbiol
J Comp Physiol
J Comp Physiol Psychol
J Ecol
J Electron Microsc
J Embryol Exp Morphol
J Endocrinol
J Environ Health
J Environ Manage
J Environ Sci Health Part A Environ Sci Eng
J Environ Sci Health Part B Pestic Food Contam Agric Wastes
J Exp Biol
J Exp Mar Biol Ecol
J Exp Zool
J Ferment Technol
J Fire Flammability
J Fish Res Board Can
J Food Biochem
J Food Prot
J Food Protection
J Food Sci
J Food Sci Tech
J Food Technol
J For
J For Hist
J Ga Entomol Soc
J Gen Microbiol
J Gen Physiol
J Gen Virol
J Helminthol
J Hered
J Hist Geogr
J Home Econ
J Hum Nutr
J Immunol Methods
J Indian Chem Soc
J Indian Inst Sci
J Indian Soc Soil Sci
J Infect Dis
J Insect Physiol
J Inst Brew
J Invertebr Pathol
J Lepid Soc
J Maharashtra Agric Univ
J Mar Biol Assoc U K
J Mar Res
J Membr Biol
J Mol Biol
J Mol Evol
J Morphol
J N Y Entomol Soc
J Nat Hist
J Nematol
J Nucl Agric Biol
J Nutr
J Nutr Educ
J Nutr Sci Vitaminol
J Parasitol
J Pathol (Edinb)
J Peasant Stud
J Pediatrics
J Pharm Biopharm
J Physiol
J Proc Inst Agric Eng (Lond)
J Protozool
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## TAXONOMIC ENTOMOLOGY

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